



VIENNA SYMPHONIC LIBRARY

Vienna Instruments Solo Strings I & II

Mapping Documentation

Violin
Viola
Cello
Double Bass



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Introduction

This document contains the mapping information for the Solo Strings Collections of Vienna Instruments. You will find in it a comprehensive survey of the articulations/patches for the Standard and the Extended Libraries of each instrument, a listing of abbreviations, and the mapping list proper which gives details for every Patch, Matrix, and Preset in the Collection.

Patch information

The Patch information includes articulation type, playing range, number of samples used, RAM requirements, the number of velocity layers and alternations, AB switching possibilities, etc., as well as Patch specific information if necessary.

Where the type of articulation requires a special mapping (e.g., natural harmonics patches), the mapping layout will be shown in a detailed graphic.

Major and minor runs are always mapped to the keys of their scale, as are **arpeggios** to the keys of the broken chord played. **Grace notes** and **mordents** are mapped to their target note, i.e., the note the articulation ends with. Due to their nature, all **upward and downward articulations** (e.g., fixed glissandos and octave runs) have different mapping ranges – the upward movements ending the involved interval below the Patch's upper mapping range, while downward movements end the interval above its lower mapping range. (Please note that not all of the articulations mentioned above may be contained in your Collection.)

Matrix information

Each Matrix listing contains information regarding the Patches used for the Matrix, the number of horizontal and vertical dimensions, and switching properties. A mapping table shows the Cell positions for each of the Matrix' Patches.

A/B switching normally is set to A0 for upward/crescendo, and B0 for downward/diminuendo. However, some bass instruments go below that range so that the A/B keys have to be adapted accordingly. For example, the A/B switches for double bass are A0 and A#0 because the instrument's lower range extends to B0.

In order to facilitate working with **MIDI controller switches** like the Modulation wheel, the switching positions are not distributed equally across the controller range if they control more than two Matrix rows or columns; generally, the switching range will be narrower at the extreme positions because they are easy to set, and wider in the middle where it is harder to find the desired setting.

Speed controller switches naturally are adjusted to the Patches involved, and have been tested carefully as to their playability. However, if you find that they do not fit your playing, or want to try out other settings, you can change this as well as any other controller settings in the **Map Control** tab of the *Vienna Instruments* player's Advanced View, and save the result in your Custom Matrix folder.

Preset information

The Preset information lists the Matrices used in the Preset as well as its keyswitches. All other information can be gathered from the Matrix and Patch listings, so there's not really much to say here. Please note that the Matrices of a Preset can also be switched with MIDI Program Changes (VI: 1–12; VI PRO: 1–127) instead of keyboard notes, and if you like to keep your keyboard free for playing instead of switching, you can disable Preset keyswitching and only use MIDI Program Changes. Vienna Instruments PRO also allows you to define a MIDI Control for Preset keyswitching.

Library updates

If you purchased your Instrument Collection via download or on the *Vienna Hard Drive*, all previous library updates will already be included; if you own a DVD Collection, you can download the updates from your personal User Area. A general description of *Vienna Instruments PRO* 2 Matrices and Presets included in these updates can be found in the Appendix "Vienna Instruments PRO 2 Matrices and Presets" on page 169.

Abbreviations

Instruments

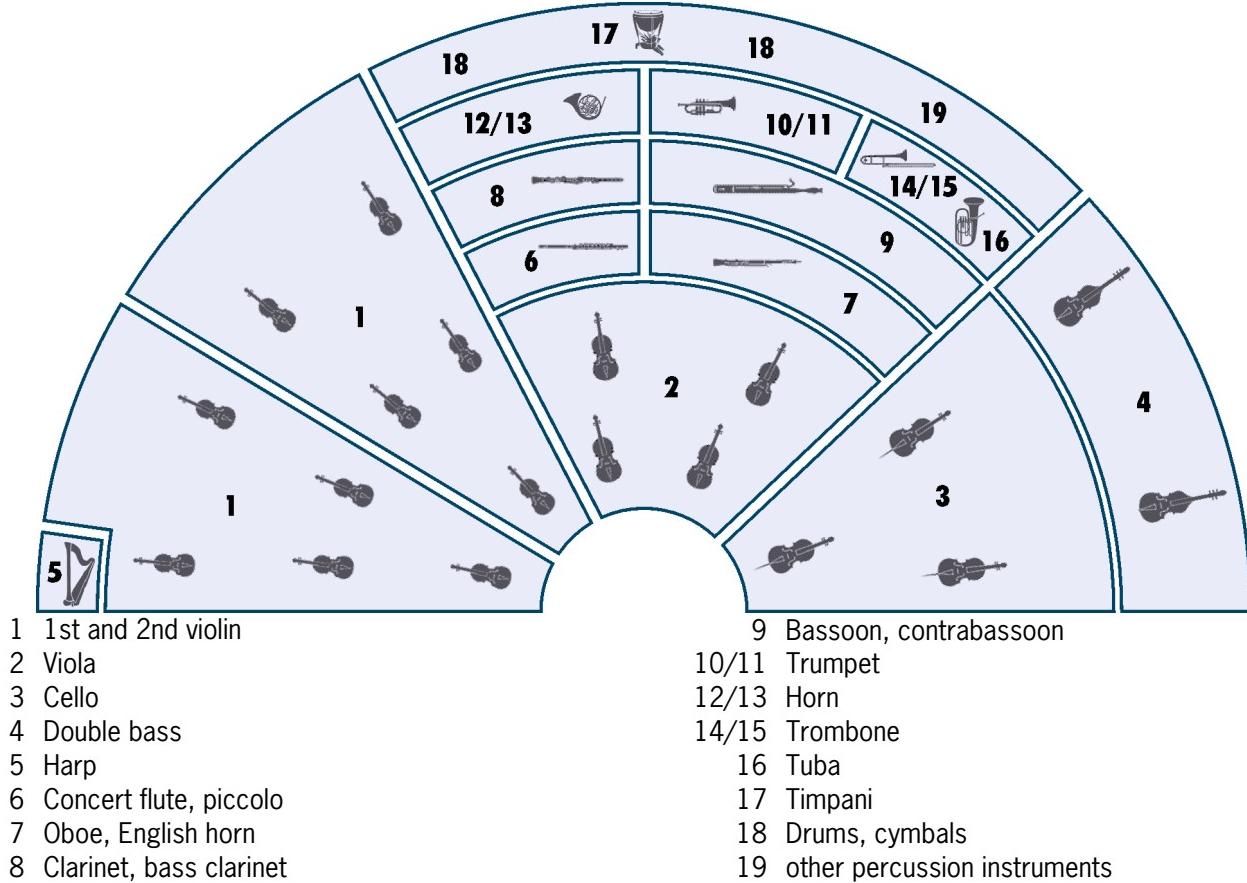
Abbreviation	English	German
VI	Violin	Violine
VA	Viola	Viola
VC	Cello	Cello
DB	Double bass	Kontrabass

Articulations and other abbreviations

Abbreviation	Meaning	Abbreviation	Meaning
150, 160, ...	150, 160, ... BPM (beats per minute)	mi	minor
1s, 2s, ...	tone length 1 sec., 2 sec., ...	noVib	without vibrato
acc	accelerando	perf-rep	repetition performance
bow	bow vibrato	pizz	pizzicato
cre	crescendo	pon	ponticello
dim	diminuendo	por	portato
dyn	dynamics (crescendo and diminuendo)	porta	portamento
dyn5, dyn9	dynamics, 5/9 repetitions	run	octave run
fa	fast	sl	slow
fA	fast attack	spi, spic	spiccato
fA_auto	attack automation (normal/fast attack)	sta, stac	staccato
fast-rep	fast repetitions	str	strong
gliss	glissando	sul	on the same string
harm	harmonics (flageolet)	sus	sustained
harm-art	artificial harmonics	tas	sul tasto
harm-nat	natural harmonics	trem	tremolo
leg	legato	Vib	with vibrato
ma	major	Vib-down	fading vibrato
marc	marcato	Vib-espr	vibrato espressivo
me	medium	Vib-progr	progressive vibrato
		XF	cell crossfade Matrix

The orchestra

There are several ways of setting up an orchestra, depending on the era of the piece played, the type of the piece and the instruments it requires, and even on the preference of the conductor. The figure below shows one of the more common setups, which can be taken as a guideline for mixing a composition, properly positioning the instruments in the stereo field and adding reverb according to the size of the concert hall you want your piece to be played in.



Pitch

For designating pitch, the Vienna Symphonic Library uses International Pitch Notation (IPN), which was agreed upon internationally under the auspices of the Acoustical Society of America. In this system the international standard of A=440 Hz is called A4 and middle C is C4. All pitches are written as capital letters, their respective octave being indicated by a number next to it. The lowest C on the piano is C1 (the A below that is A0), etc.

You can tune your Vienna Instruments to other players, or adjust it to tunings of earlier musical periods by setting the Perform page's Master Tune option within a range of 420 to 460 Hz.

Solo Strings I

Articulations

Instrument/Group	Level 1 (Standard) content	Level 2 (Extended) content
01 Violin solo		
01 SHORT + LONG NOTES	Staccato, short détaché, long détaché with vibrato, sustained with vibrato, marcato	Long détaché without vibrato, sustained with progressive, fading, and without vibrato, espressivo
02 DYNAMICS	Fortepiano and sforzato	Medium and strong crescendo and diminuendo with vibrato (1.5, 3, and 4 sec.), medium crescendo and diminuendo without vibrato (1.5 and 3 sec.), crescendo-diminuendo (2 and 4 sec.), sforzatissimo
03 TREMOLO + TRILLS	Tremolo sustained; trills half and whole tone	Tremolo crescendo and diminuendo (1.5 and 3 sec.); trills half and whole tone dynamics, trills accelerando normal and dynamics
04 PIZZ + LEGNO	Pizzicato normal and snap (Bartók)	Pizzicato secco, col legno.
05 HARMONICS	Artificial harmonics: Staccato, sustained	Artificial harmonics: Repetition performances glissando. Natural harmonics: Sustained, repetition performances, glissando.
06 PONTICELLO	Staccato, sustained, tremolo	Détaché, sforzato, sforzatissimo, repetition performances normal and dynamics.
07 TASTO		Staccato, détaché, sustained, sforzato, tremolo.
10 PERF INTERVAL	Legato, portamento	Legato on the same string, with progressive vibrato, zigane (gipsy), détaché, marcato, and spiccato
11 PERF INTERVAL FAST	Legato	Marcato, spiccato, and harsh
12 PERF TRILL		Trills, legato, minor 2nd to 4th
13 PERF REPETITION	Legato slow, staccato, spiccato	Legato fast, bow vibrato slow and fast, portato slow/medium/fast, and harsh; dynamics for all articulations
14 FAST REPETITION		Normal and dynamics, speeds from 150 to 200 BPM Ricochet – the bow is cast onto the string and rebounding: normal with 150 to 190 and 210 BPM, 3 quick repetitions, accelerando, ritardando
15 GRACE NOTES		Grace notes, half and whole tone, slow and fast "Zigane" style grace notes, minor 2nd to major 3rd
16 GLISSANDI	Medium and fast octave glissandos, up and down	Glissandos on every string
17 SCALE RUNS		Octave runs, legato and spiccato, major and minor sharp from C to B on every note of the scale; chromatic and whole tone; 200 BPM

Instrument/Group	Level 1 (Standard) content	Level 2 (Extended) content
02 Viola solo		
01 SHORT + LONG NOTES	Staccato, short and long détaché, sustained with vibrato, marcato	Sustained with progressive, fading, and without vibrato, espressivo
02 DYNAMICS	Fortepiano, sforzato	Medium crescendo and diminuendo with and without vibrato (1.5 and 3 sec.), strong crescendo and diminuendo with vibrato (1.5, 3, and 4 sec.), crescendo-diminuendo (2 and 4 sec.), sforzatissimo
03 TREMOLO + TRILLS	Tremolo sustained, trills half and whole tone	Tremolo crescendo and diminuendo (1.5 and 3 sec.), trills constant speed dynamics, accelerando normal and dynamics.
04 PIZZ + LEGNO	Pizzicato normal and snap (Bartók)	Col legno.
05 HARMONICS	Artificial harmonics staccato and sustained	Artificial harmonics repetition performances; Natural harmonics sustained, repetition performances, glissando
06 PONTICELLO	Staccato, sustained, tremolo	Détaché, sforzato, sforzatissimo, repetition performances normal and dynamics
07 TASTO		Staccato, détaché, sustained, sforzato, tremolo.
10 PERF INTERVAL	Legato, portamento	Legato on the same string, with progressive vibrato, zigane (gipsy), marcato, and spiccato
11 PERF INTERVAL FAST	Legato	Marcato, spiccato, and harsh
12 PERF TRILL		Trills, legato, minor 2nd to 4th
13 PERF REPETITION	Legato slow, staccato, spiccato	Legato fast, portato, harsh; dynamics for all articulations
14 FAST REPETITION		9 repetitions, normal and dynamics, speeds from 150 to 190 BPM. Ricochet – the bow is cast onto the string and rebounding: normal with 150 to 190 and 210 BPM, 3 quick repetitions, accelerando, ritardando
15 GRACE NOTES		Grace notes, half and whole tone; zigane grace notes, minor 2nd to major 3rd
16 GLISSANDI	Octave glissandos, up and down	Glissandos on every string
03 Cello solo		
01 SHORT + LONG NOTES	Staccato, short détaché, sustained with vibrato, marcato	Long détaché, sustained with progressive, fading, and without vibrato, espressivo
02 DYNAMICS	Fortepiano and sforzato	Medium crescendo and diminuendo with and without vibrato (1.5 and 3 sec.), strong crescendo and diminuendo with vibrato (1.5, 3, and 4 sec.), crescendo-diminuendo (2 and 4 sec.), and sforzatissimo

Instrument/Group	Level 1 (Standard) content	Level 2 (Extended) content
03 TREMOLO + TRILLS	Tremolo sustained, trills half and whole tone	Tremolo crescendo and diminuendo (1.5 and 3 sec.), trills half and whole tone dynamics, accelerando normal and dynamics.
04 PIZZ + LEGNO	Pizzicato normal and snap (Bartók)	Pizzicato secco, col legno.
05 HARMONICS	Artificial harmonics staccato, sustained	Artificial harmonics repetition performances; natural harmonics sustained, repetition performances, glissando
06 PONTICELLO	Staccato, sustained, tremolo	Détaché, sforzato, sforzatissimo, repetition performances normal and dynamics.
07 TASTO		Staccato, détaché, sustained, sforzato, tremolo.
10 PERF INTERVAL	Legato, portamento	Legato on the same string, with progressive vibrato, zigane (gipsy), marcato, and spiccato
11 PERF INTERVAL FAST	Legato	Marcato, spiccato, and harsh
12 PERF TRILL		Trills, legato, minor 2nd to major 3rd.
13 PERF REPETITION	Legato slow, staccato, spiccato	Legato fast, bow vibrato, portato, and harsh; dynamics for all articulations
14 FAST REPETITION		9 repetitions, normal and dynamics, speeds from 140 to 180 BPM Ricochet; normal with 150 to 190 and 210 BPM, 3 quick repetitions, accelerando, ritardando
15 GRACE NOTES		Grace notes, half and whole tone; zigane grace notes, minor 2nd to major 3rd.
16 GLISSANDI	Medium and fast octave glissandos, up and down	Glissandos on every string
04 Bass solo		
01 SHORT + LONG NOTES	Staccato, short détaché, sustained with vibrato, marcato	Long détaché, sustained with progressive, fading, and without vibrato
02 DYNAMICS	Fortepiano and sforzato	Medium crescendo and diminuendo without vibrato (1.5 and 3 sec.), strong crescendo and diminuendo with vibrato (1.5, 3, and 4 sec.), crescendo-diminuendo (2 and 4 sec.), sforzatissimo
03 TREMOLO + TRILLS	Tremolo sustained, trills half and whole tone	Tremolo crescendo and diminuendo (1.5 and 3 sec.), trills half and whole tone dynamics
04 PIZZ + LEGNO	Pizzicato, normal and snap (Bartók)	Col legno.
05 HARMONICS	Artificial harmonics staccato, sustained	Artificial harmonics repetition performances, natural harmonics sustained, repetition performances, glissando.
06 PONTICELLO	Staccato, sustained, tremolo	Détaché, sforzato, sforzatissimo, repetition performances normal and dynamics
07 TASTO		Staccato, détaché, sustained, sforzato, tremolo

Instrument/Group	Level 1 (Standard) content	Level 2 (Extended) content
10 PERF INTERVAL	Legato, portamento	Marcato and spiccato
11 PERF INTERVAL FAST	Legato	Marcato, spiccato, and harsh
12 PERF TRILL		Trills, legato, minor to major 2nd
13 PERF REPETITION	Legato slow, staccato, spiccato	Legato fast, portato, harsh; dynamics for all articulations
14 GLISSANDI		Performance glissandos, up and down; medium and fast octave glissandos, up and down

01 Violin solo

Description

The violin, as the smallest of the stringed instruments, is the soprano instrument of the violin family (violin, viola, cello). Since the Baroque era the strings – the most homogeneous of all instrument groups – have been the heart of the orchestra. Violins are always used in chorus and divided into 1st and 2nd violins. Modern string sections use 14 first and 12 second violins (in especially large orchestras 16 first and 14 second violins).

Range and notation

The violin has a range of G3–A7 (harmonic D8). It is a non-transposing instrument and notated in treble clef.

Sound characteristics

Full, lively, singing, eloquent, introspective, supernatural, sensuous, lustrous, bright, metallic, vibrant, clear, glassy, flute-like, shrill, brilliant, sparkling, calm, thin, whistling, round, pure, muffled, solemn, austere, dark, muted, open, sustaining, rough, wafting, soft, sweet, merry, dancing, veiled.

The 1st violins generally play the higher part, which is usually the main melody. The 2nd violins often play the part of “lower sisters”. They often play an octave below, darkening the overall timbre.

Combination with other instruments

All stringed instruments form a group with a homogeneous overall sound and perform tasks ranging from the subtlest tonal effects to the most eloquent reinforcements of sound and from the greatest possible tonal compactness to the greatest possible diversity. The violins' pizzicato blends well with the harp.

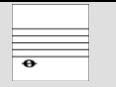
Woodwinds, generally speaking, provide the strings with more volume and power, while the strings make the woodwinds more mellow, especially when playing in unison.

The tonal blend with brass instruments is not as desirable. Perhaps the horn blends most successfully with violins, especially in concert with the cellos.

Patches

01 SHORT + LONG NOTES

Range: G3–A#7



Level 1: Staccato, short détaché, long détaché with vibrato, sustained with vibrato, marcato

Level 2: Long détaché without vibrato, sustained with progressive, fading, and without vibrato, espressivo

01 VI_staccato

Samples: 408 RAM: 25 MB **Level 1**

Staccato

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

4 Alternations

02 VI_detache_short

Samples: 408 RAM: 25 MB **Level 1**

Short détaché

4 velocity layers: 0–55 pp; 56–88 mf; 89–108 f; 109–127 ff

4 Alternations

03 VI_detache_long_Vib

Samples: 400 RAM: 25 MB **Level 1**

Long détaché, vibrato

4 velocity layers: 0–55 pp; 56–88 mp; 89–108 f; 109–127 ff

4 Alternations

04 VI_detache_long_noVib

Samples: 408 RAM: 25 MB **Level 2**

Long détaché without vibrato

4 velocity layers: 0–55 pp; 56–88 mp; 89–108 f; 109–127 ff

4 Alternations

10 VI_sus_Vib

Samples: 753 RAM: 47 MB **Level 1**

Sustained, vibrato

4 velocity layers: 0–55 pp; 56–88 mp; 89–108 mf; 109–127 f

Release samples

11 VI_sus_Vib_fA

Samples: 403 RAM: 25 MB **Level 2**

Sustained, vibrato

Optimized attack for legato

4 velocity layers: 0–55 pp; 56–88 mp; 89–108 mf; 109–127 f

Release samples

12 VI_sus_Vib_fA_auto

Samples: 903 RAM: 56 MB **Level 2**

Sustained, vibrato

Attack automation

Monophonic

4 velocity layers: 0–55 pp; 56–88 mp; 89–108 mf; 109–127 f

Release samples

13 VI_sus_Vib-marc

Samples: 252 RAM: 15 MB **Level 1**

Sustained, vibrato, marcato

3 velocity layers: 0–88 mf; 89–108 f; 109–127 ff

Release samples

14 VI_sus_Vib-espr

Sustained (4 sec.), vibrato, fortissimo, espressivo
 1 velocity layer
 Release samples

Samples: 151

RAM: 9 MB

Level 2

15 VI_sus_Vib-progr

Sustained, progressive vibrato
 3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
 Release samples

Samples: 602

RAM: 37 MB

Level 2

16 VI_sus_Vib-down

Sustained, diminishing vibrato
 2 velocity layers: 0–88 mf; 89–127 f

Samples: 50

RAM: 3 MB

Level 2

17 VI_sus_noVib

Sustained, no vibrato
 3 velocity layers: 0–55 pp; 56–108 mf; 109–127 ff
 Release samples

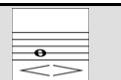
Samples: 458

RAM: 28 MB

Level 2

02 DYNAMICS

Range: G3–A#7

**Level 1:** Fortepiano and sforzato**Level 2:** Medium and strong crescendo and diminuendo with vibrato (1.5, 3, and 4 sec.), medium crescendo and diminuendo without vibrato (1.5 and 3 sec.), crescendo-diminuendo (2 and 4 sec.), sforzatissimo**01 VI_dyn-me_Vib_1'5s**

Samples: 200

RAM: 12 MB

Level 2

Medium dynamics, 1.5 sec., vibrato

2 velocity layers: 0–88 p–mf/mf–p; 89–127 mf–f/f–mf

AB switch: crescendo/diminuendo

02 VI_dyn-me_Vib_3s

Samples: 200

RAM: 12 MB

Level 2

Medium dynamics, 3 sec., vibrato

2 velocity layers: 0–88 p–mf/mf–pp; 89–127 mf–ff/ff–mf

AB switch: crescendo/diminuendo

03 VI_dyn-me_Vib_4s

Samples: 200

RAM: 12 MB

Level 2

Medium dynamics, 4 sec., vibrato

2 velocity layers: 0–88 p–mf/mf–p; 89–127 mf–f/f–mf

AB switch: crescendo/diminuendo

04 VI_dyn-str_Vib_1'5s

Samples: 100

RAM: 6 MB

Level 2

Strong dynamics, 1.5 sec., vibrato

1 velocity layer

AB switch: crescendo/diminuendo

05 VI_dyn-str_Vib_3s

Samples: 100

RAM: 6 MB

Level 2

Strong dynamics, 3 sec., vibrato

1 velocity layer

AB switch: crescendo/diminuendo

06 VI_dyn-str_Vib_4s Strong dynamics, 4 sec., vibrato 1 velocity layer AB switch: crescendo/diminuendo	Samples: 100	RAM: 6 MB	Level 2
07 VI_dyn-me_noVib_1'5s Medium dynamics, 1.5 sec., no vibrato 2 velocity layers: 0–88 p–mf/mf–p; 89–127 mf–ff/ff–mf AB switch: crescendo/diminuendo	Samples: 204	RAM: 12 MB	Level 2
08 VI_dyn-me_noVib_3s Medium dynamics, 3 sec., no vibrato 2 velocity layers: 0–88 p–mf/mf–p; 89–127 mf–ff/ff–mf AB switch: crescendo/diminuendo	Samples: 204	RAM: 12 MB	Level 2
09 VI_pfp_Vib_2s Crescendo-diminuendo, 2 sec., vibrato 2 velocity layers: 0–88 p; 89–127 mf	Samples: 50	RAM: 3 MB	Level 2
10 VI_pfp_Vib_4s Crescendo-diminuendo, 4 sec., vibrato 2 velocity layers: 0–88 p; 89–127 mf	Samples: 50	RAM: 3 MB	Level 2
11 VI_fp_Vib Fortepiano, vibrato 1 velocity layer	Samples: 50	RAM: 3 MB	Level 1
12 VI_sfz_Vib Sforzato, vibrato 1 velocity layer	Samples: 50	RAM: 3 MB	Level 1
13 VI_sffz_Vib Sforzatissimo, vibrato 1 velocity layer	Samples: 50	RAM: 3 MB	Level 2

03 TREMOLO + TRILLS	Range: G3–A#7	
Level 1:	Tremolo sustained; trills half and whole tone	
Level 2:	Tremolo crescendo and diminuendo (1.5 and 3 sec.); trills half and whole tone dynamics, trills accelerando normal and dynamics	

01 VI_trem_sus Tremolo sustained 3 velocity layers: 0–55 pp; 56–108 mf; 109–127 ff Release samples	Samples: 306	RAM: 19 MB	Level 1
02 VI_trem_sus_fa Tremolo sustained Optimized attack for legato 3 velocity layers: 0–55 pp; 56–108 mf; 109–127 ff Release samples	Samples: 306	RAM: 19 MB	Level 2

03 VI_trem_sus_fa_auto	Samples: 459	RAM: 28 MB	Level 1	
Tremolo sustained Attack automation Monophonic 3 velocity layers: 0–55 pp; 56–108 mf; 109–127 ff Release samples				
04 VI_trem_dyn_1'5s	Samples: 100	RAM: 6 MB	Level 2	
Tremolo dynamics, 1.5 sec. 1 velocity layer AB switch: crescendo/diminuendo				
05 VI_trem_dyn_3s	Samples: 100	RAM: 6 MB	Level 2	
Tremolo dynamics, 3 sec. 1 velocity layer AB switch: crescendo/diminuendo				
10 VI_trill_1	Samples: 100	RAM: 6 MB	Level 1	
Trills: Half tone 2 velocity layers: 0–88 p; 89–127 f Release samples				
11 VI_trill_2	Samples: 100	RAM: 6 MB	Level 1	
Trills: Whole tone 2 velocity layers: 0–88 p; 89–127 f Release samples				
12 VI_trill_1_dyn	Samples: 50	RAM: 3 MB	Level 2	
Trills: Half tone, dynamics 1 velocity layer AB switch: crescendo/diminuendo				
13 VI_trill_2_dyn	Samples: 50	RAM: 3 MB	Level 2	
Trills: Whole tone, dynamics 1 velocity layer AB switch: crescendo/diminuendo				
14 VI_trill-acc_1	Range: G3–D#7	Samples: 94	RAM: 5 MB	Level 2
Trills: Accelerando, half tone 2 velocity layers: 0–88 p; 89–127 f Release samples				
15 VI_trill-acc_2	Samples: 94	RAM: 5 MB	Level 2	
Trills: Accelerando, whole tone 2 velocity layers: 0–88 p; 89–127 f Release samples				
16 VI_trill-acc_1_dyn	Range: G3–D#7	Samples: 44	RAM: 2 MB	Level 2
Trills: Accelerando, half tone, dynamics 1 velocity layer AB switch: crescendo/diminuendo				

17 VI_trill-acc_2_dyn

Trills: Accelerando, whole tone, dynamics
 1 velocity layer
 AB switch: crescendo/diminuendo

Samples: 50

RAM: 3 MB

Level 2

04 PIZZ + LEGNO

Range: G3-A#7



Level 1: Pizzicato normal and snap (Bartók)

Level 2: Pizzicato secco, col legno.

01 VI_pizz

Samples: 204

Pizzicato

2 velocity layers: 0–88 p; 89–127 f

4 Alternations

RAM: 12 MB

Level 1

02 VI_pizz_secco

Samples: 204

Pizzicato secco

2 velocity layers: 0–88 p; 89–127 f

4 Alternations

RAM: 12 MB

Level 2

03 VI_pizz_snap

Samples: 100

Snap pizzicato

1 velocity layer

4 Alternations

RAM: 6 MB

Level 1

04 VI_col-legno

Samples: 104

Col legno

2 velocity layers: 0–88 p; 89–127 f

4 Alternations

RAM: 6 MB

Level 2

05 HARMONICS

Range: G4-D7



Level 1: Artificial harmonics: Staccato, sustained

Level 2: Artificial harmonics: Repetition performances glissando. Natural harmonics: Sustained, repetition performances, glissando.

Harmonics patches are mapped an octave lower than they sound.

01 VI_harm-art_stac

Samples: 58

Artificial harmonics: Staccato

1 velocity layer

2 Alternations

RAM: 3 MB

Level 1

02 VI_harm-art_sus

Samples: 120

Artificial harmonics: Sustained

2 velocity layers: 0–88 p; 89–127 f

Release samples

RAM: 7 MB

Level 1

03 VI_harm-art_perf-rep

Samples: 75

Artificial harmonics: Repetition performances

1 velocity layer

RAM: 4 MB

Level 2

04 VI_harm-art_gliss

Range: C3–G6

Samples: 20

RAM: 1 MB

Level 2

Artificial harmonics: Glissandos on every string, upward

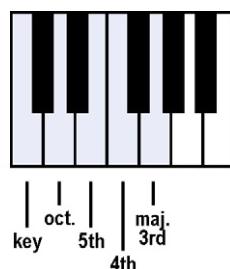
1 velocity layer

Mapping:

C – key note to 1st harmonic (octave); D – 2nd (+5th); E – 3rd (+4th); F – 4th (+major 3rd);

G – 5th (+minor 3rd)

C3–G3: G string; C4–G4: D string; C5–G5: A string; C6–G6: E string

**11 VI_harm-nat_sus**

Range: C3–A#6

Samples: 128

RAM: 8 MB

Level 2

Natural harmonics: Sustained notes on every string, from fundamental to 7th harmonic

2 velocity layers: 0–88 p; 89–127 f

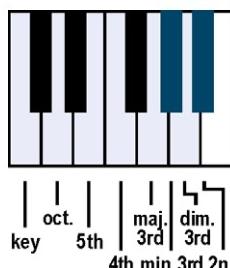
Release samples

Mapping:

C – key note; D – 1st (octave); E – 2nd (5th); F – 3rd (4th); G – 4th (maj. 3rd); G# – 5th (min.

3rd); A – 6th (dim. 3rd); A# – 7th (2nd)

C3–A#3: G string; C4–A#4: D string; C5–A#5: A string; C6–A#6: E string

**12 VI_harm-nat_perf-rep**

Range: C3–A#6

Samples: 160

RAM: 10 MB

Level 2

Natural harmonics: Repetition performances on every string, from fundamental to 7th harmonic

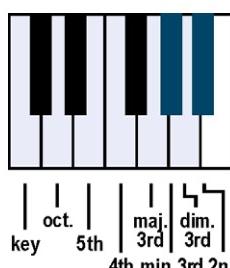
1 velocity layer

Mapping:

C – key note; D – 1st (octave); E – 2nd (5th); F – 3rd (4th); G – 4th (maj. 3rd); G# – 5th (min.

3rd); A – 6th (dim. 3rd); A# – 7th (2nd)

C3–A#3: G string; C4–A#4: D string; C5–A#5: A string; C6–A#6: E string

**13 VI_harm-nat_gliss**

Range: C3–A#6

Samples: 56

RAM: 3 MB

Level 2

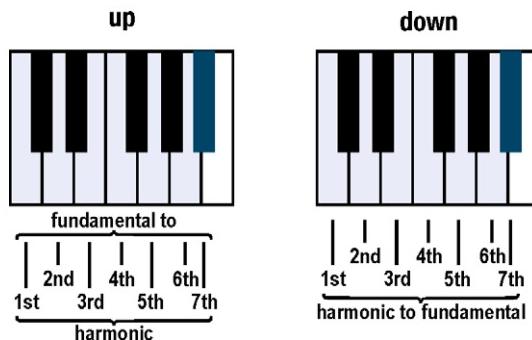
Natural harmonics: Glissandos on every string, from fundamental to 1st, 2nd, etc. harmonic; reverse for downward glissandos

1 velocity layer

AB switch: up/down

Mapping:

C – key note to 1st (octave); D – to 2nd (+5th); E – to 3rd (+4th); F – to 4th (+maj 3rd); G – to 5th (+min. 3rd); A – to 6th (+dim. 3rd); A# – to 7th (+2nd)
 C3–A#3: G string; C4–A#4: D string; C5–A#5: A string; C6–A#6: E string

**06 PONTICELLO****Range: G3–A#7**

Ponticello – bowed near the bridge, giving a louder, brighter sound.

Level 1: Staccato, sustained, tremolo

Level 2: Détaché, sforzato, sforzatissimo, repetition performances normal and dynamics.

01 VI_pon_staccato**Samples: 228 RAM: 14 MB Level 1**

Ponticello staccato

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

2 Alternations

02 VI_pon_detache**Samples: 228 RAM: 14 MB Level 2**

Ponticello détaché

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

2 Alternations

03 VI_pon_sus**Samples: 228 RAM: 14 MB Level 1**

Ponticello sustained

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

Release samples

04 VI_pon_sus_fA**Samples: 228 RAM: 14 MB Level 2**

Ponticello sustained

Optimized attack for legato

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

Release samples

05 VI_pon_sus_fA_auto**Samples: 342 RAM: 21 MB Level 2**

Ponticello sustained

Attack automation

Monophonic

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

Release samples

06 VI_pon_sfz**Samples: 38 RAM: 2 MB Level 2**

Ponticello sforzato

1 velocity layer

07 VI_pon_sffz Ponticello sforzatissimo 1 velocity layer	Samples: 38 RAM: 2 MB	Level 2
08 VI_pon_trem Ponticello tremolo 3 velocity layers: 0–55 p; 56–108 mf; 109–127 f Release samples	Samples: 234 RAM: 14 MB	Level 1
09 VI_pon_trem_fA Ponticello tremolo Optimized attack for legato 3 velocity layers: 0–55 p; 56–108 mf; 109–127 f Release samples	Samples: 234 RAM: 14 MB	Level 2
10 VI_pon_trem_fA_auto Ponticello tremolo Attack automation Monophonic 3 velocity layers: 0–55 p; 56–108 mf; 109–127 f Release samples	Samples: 351 RAM: 21 MB	Level 1
11 VI_pon_perf-rep_leg Repetition performances: Ponticello legato 2 velocity layers: 0–88 p; 89–127 f	Samples: 260 RAM: 16 MB	Level 2
12 VI_pon_perf-rep_dyn_leg Repetition performances: Ponticello legato, dynamics 5 repetitions, AB switch crescendo/diminuendo 1 velocity layer AB switch: crescendo/diminuendo	Samples: 260 RAM: 16 MB	Level 2

07 TASTO	Range: G3–A#7	
Sul tasto or flautando – bowed near the fingerboard, resulting in a softer, muffled sound		
Level 2: Staccato, détaché, sustained, sforzato, tremolo.		
01 VI_tas_staccato Sul tasto staccato 3 velocity layers: 0–55 p; 56–108 mf; 109–127 f 2 Alternations	Range: G3–A7	Samples: 234 RAM: 14 MB
02 VI_tas_detache Sul tasto détaché 3 velocity layers: 0–55 p; 56–108 mf; 109–127 f 2 Alternations	Samples: 228	RAM: 14 MB
03 VI_tas_sus Sul tasto sustained 3 velocity layers: 0–55 ppp; 56–108 pp; 109–127 p Release samples	Samples: 228	RAM: 14 MB

04 VI_tas_sus_fA

Sul tasto sustained

Optimized attack for legato

3 velocity layers: 0–55 ppp; 56–108 pp; 109–127 p

Release samples

Samples: 228

RAM: 14 MB

Level 2

05 VI_tas_sus_fA_auto

Sul tasto sustained

Attack automation

Monophonic

3 velocity layers: 0–55 ppp; 56–108 pp; 109–127 p

Release samples

Samples: 342

RAM: 21 MB

Level 2

06 VI_tas_sfz

Sul tasto sforzato

1 velocity layer

Samples: 37

RAM: 2 MB

Level 2

07 VI_tas_trem

Sul tasto tremolo

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

Release samples

Samples: 228

RAM: 14 MB

Level 2

08 VI_tas_trem_fA

Sul tasto tremolo

Optimized attack for legato

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

Release samples

Samples: 228

RAM: 14 MB

Level 2

09 VI_tas_trem_fA_auto

Sul tasto tremolo

Attack automation

Monophonic

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

Release samples

Samples: 342

RAM: 21 MB

Level 2

10 PERF INTERVAL

Range: G3–D7

**Level 1:** Legato, portamento**Level 2:** Legato on the same string, with progressive vibrato, zigane (gipsy), détaché, marcato, and spiccato**01 VI_perf-legato**

Samples: 1143

RAM: 71 MB

Level 1

Legato

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

02 VI_perf-legato_sul

Samples: 1076

RAM: 67 MB

Level 2

Legato on the same string

Monophonic

2 velocity layers: 0–88 mp; 89–127 f

Release samples

03 VI_perf-legato_Vib-progr Legato, forte, progressive vibrato Monophonic 1 velocity layer Release samples	Samples: 553 RAM: 34 MB	Level 2
04 VI_perf-legato_zigane Zigane (gipsy) Monophonic 2 velocity layers: 0–88 p; 89–127 f Release samples	Samples: 665 RAM: 41 MB	Level 2
05 VI_perf-portamento Portamento Monophonic 2 velocity layers: 0–88 mp; 89–127 f Release samples	Samples: 1076 RAM: 67 MB	Level 1
06 VI_perf-detache détaché Monophonic 2 velocity layers: 0–88 p; 89–127 f Release samples	Samples: 1057 RAM: 66 MB	Level 2
07 VI_perf-marcato Marcato Monophonic 2 velocity layers: 0–88 mp; 89–127 f Release samples	Samples: 1076 RAM: 67 MB	Level 2
08 VI_perf-spiccato Spiccato Monophonic 2 velocity layers: 0–88 p; 89–127 f	Samples: 1200 RAM: 75 MB	Level 2

11 PERF INTERVAL FAST	Range: G3–D7	
Level 1: Legato		
Level 2: Marcato, spiccato, and harsh		
01 VI_perf-legato_fa Legato, fast Monophonic 2 velocity layers: 0–88 p; 89–127 f Release samples	Samples: 1379 RAM: 86 MB	Level 1

02 VI_perf-marcato_fa Marcato, fast Monophonic 2 velocity layers: 0–88 mp; 89–127 f Release samples	Samples: 1631 RAM: 101 MB	Level 2
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03 VI_perf-spiccato_fa

Spiccato, fast

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Samples: 1400

RAM: 87 MB

Level 2

04 VI_perf-harsh_fa

Harsh, fast

Monophonic

2 velocity layers: 0–88 f; 89–127 ff

Range: G3–C7

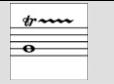
Samples: 644

RAM: 40 MB

Level 2

12 PERF TRILL

Range: G3–D7

**Level 2:** Trills, legato, minor 2nd to 4th**01 VI_perf-trill_leg**

Samples: 3383

RAM: 211 MB

Level 2

Trills, legato

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

13 PERF REPETITION

Range: G3–A#7

**Level 1:** Legato slow, staccato, spiccato**Level 2:** Legato fast, bow vibrato slow and fast, portato slow/medium/fast, and harsh; dynamics for all articulations**01 VI_perf-rep_leg-sl**

Samples: 375

RAM: 23 MB

Level 1

Legato, slow

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

02 VI_perf-rep_leg-fa

Samples: 390

RAM: 24 MB

Level 2

Legato, fast

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

03 VI_perf-rep_bow-sl

Samples: 390

RAM: 24 MB

Level 2

Bow vibrato, slow

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

04 VI_perf-rep_bow-fa

Samples: 390

RAM: 24 MB

Level 2

Bow vibrato, fast

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

05 VI_perf-rep_por-sl

Samples: 375

RAM: 23 MB

Level 2

Portato, slow

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

06 VI_perf-rep_por-me

Samples: 375

RAM: 23 MB

Level 2

Portato, medium

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

07 VI_perf-rep_por-fa Portato, fast 3 velocity layers: 0–55 p; 56–108 mf; 109–127 f	Samples: 702 RAM: 43 MB Level 2
08 VI_perf-rep_sta Staccato 3 velocity layers: 0–55 pp; 56–108 mf; 109–127 ff	Samples: 702 RAM: 43 MB Level 1
09 VI_perf-rep_spi Spiccato 3 velocity layers: 0–55 p; 56–108 mf; 109–127 f	Samples: 675 RAM: 42 MB Level 1
10 VI_perf-rep_harsh Harsh 2 velocity layers: 0–88 f; 89–127 ff	Samples: 450 RAM: 28 MB Level 2
21 VI_perf-rep_dyn5_leg-sl Legato dynamics, slow, 5 repetitions 1 velocity layer AB switch: crescendo/diminuendo	Samples: 250 RAM: 15 MB Level 2
22 VI_perf-rep_dyn5_leg-fa Legato dynamics, fast, 5 repetitions 1 velocity layer AB switch: crescendo/diminuendo	Samples: 260 RAM: 16 MB Level 2
23 VI_perf-rep_dyn5_bow-sl Bow vibrato dynamics, slow, 5 repetitions 1 velocity layer AB switch: crescendo/diminuendo	Samples: 260 RAM: 16 MB Level 2
24 VI_perf-rep_dyn5_bow-fa Bow vibrato dynamics, fast, 5 repetitions 1 velocity layer AB switch: crescendo/diminuendo	Samples: 260 RAM: 16 MB Level 2
25 VI_perf-rep_dyn5_por-sl Portato dynamics, slow, 5 repetitions 1 velocity layer AB switch: crescendo/diminuendo	Samples: 250 RAM: 15 MB Level 2
26 VI_perf-rep_dyn5_por-me Portato dynamics, medium, 5 repetitions 1 velocity layer AB switch: crescendo/diminuendo	Samples: 250 RAM: 15 MB Level 2
27 VI_perf-rep_dyn9_por-fa Portato dynamics, fast, 9 repetitions 1 velocity layer AB switch: crescendo/diminuendo	Samples: 468 RAM: 29 MB Level 2
28 VI_perf-rep_dyn9_sta Staccato dynamics, 9 repetitions 1 velocity layer	Samples: 468 RAM: 29 MB Level 2

AB switch: crescendo/diminuendo

29 VI_perf-rep_dyn9_spi Spiccato dynamics, 9 repetitions 1 velocity layer AB switch: crescendo/diminuendo	Samples: 450 RAM: 28 MB	Level 2
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30 VI_perf-rep_dyn9_harsh Harsh dynamics, 9 repetitions 1 velocity layer AB switch: crescendo/diminuendo	Samples: 450 RAM: 28 MB	Level 2
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14 FAST REPETITION

Range: G3-A#7



Level 2: Normal and dynamics, speeds from 150 to 200 BPM
Ricochet – the bow is cast onto the string and rebounding: normal with 150 to 190 and 210 BPM, 3 quick repetitions, accelerando, ritardando

01 VI_fast-rep_150 (160/170/180/190/200) Staccato, 9 repetitions, 150, 160, 170, 180, 190, 200 BPM 3 velocity layers: 0–55 p; 56–108 mf; 109–127 f Release samples	Samples: 156 RAM: 9 MB	Level 2
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11 VI_fast-rep_150_dyn (160/170/180/190/200) Staccato dynamics, 9 repetitions, 150, 160, 170, 180, 190, 200 BPM 1 velocity layer AB switch: crescendo/diminuendo	Samples: 52 RAM: 3 MB	Level 2
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21 VI_ricochet_150 (160/170/180/190/210) Ricochet, mezzoforte, 5 repetitions, 150, 160, 170, 180, 190, 210 BPM 1 velocity layer Release samples	Samples: 50 RAM: 3 MB	Level 2
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31 VI_ricochet_a3 Ricochet, mezzoforte, 3 repetitions 1 velocity layer	Samples: 25 RAM: 1 MB	Level 2
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32 VI_ricochet_accel Ricochet accelerando, 9 repetitions 1 velocity layer	Samples: 25 RAM: 1 MB	Level 2
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33 VI_ricochet ritard Ricochet ritardando, 9 repetitions 1 velocity layer	Samples: 25 RAM: 1 MB	Level 2
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**15 GRACE NOTES****Range: G3–G#7**

Level 2: Grace notes, half and whole tone, slow and fast
"Zigane" style grace notes, minor 2nd to major 3rd

01 VI_grace-1_sl**Range: G3–G7 Samples: 183 RAM: 11 MB****Level 2**

Grace notes, slow, half tone
2 velocity layers: 0–88 p; 89–127 f
Release samples
AB switch: up/down

02 VI_grace-2_sl**Samples: 183 RAM: 11 MB****Level 2**

Grace notes, slow, whole tone
2 velocity layers: 0–88 p; 89–127 f
Release samples
AB switch: up/down

03 VI_grace-1_fa**Samples: 183 RAM: 11 MB****Level 2**

Grace notes, fast, half tone
2 velocity layers: 0–88 p; 89–127 f
Release samples
AB switch: up/down

04 VI_grace-2_fa**Samples: 183 RAM: 11 MB****Level 2**

Grace notes, fast, whole tone
2 velocity layers: 0–88 p; 89–127 f
Release samples
AB switch: up/down

11 VI_grace-zigane-1**Samples: 183 RAM: 11 MB****Level 2**

Grace notes, zigane, half tone
2 velocity layers: 0–88 p; 89–127 f
Release samples
AB switch: up/down

12 VI_grace-zigane-2**Range: G3–A7 Samples: 183 RAM: 11 MB****Level 2**

Grace notes, zigane, whole tone
2 velocity layers: 0–88 p; 89–127 f
Release samples
AB switch: up/down

13 VI_grace-zigane-3**Samples: 179 RAM: 11 MB****Level 2**

Grace notes, zigane, minor 3rd
2 velocity layers: 0–88 p; 89–127 f
Release samples
AB switch: up/down

14 VI_grace-zigane-4**Range: G3–A7 Samples: 179 RAM: 11 MB****Level 2**

Grace notes, zigane, major 3rd
2 velocity layers: 0–88 p; 89–127 f
Release samples
AB switch: up/down



16 GLISSANDI

Level 1: Medium and fast octave glissandos, up and down

Level 2: Glissandos on every string

01 VI_perf-gliss_G

Range: G3–B4 Samples: 276 RAM: 17 MB Level 2

Phrase performances: Glissando, G string

Monophonic

1 velocity layer

Release samples

02 VI_perf-gliss_D

Range: C3–F#5 Samples: 279 RAM: 17 MB Level 2

Phrase performances: Glissando, D string

Monophonic

1 velocity layer

Release samples

03 VI_perf-gliss_A

Range: G4–C#6 Samples: 278 RAM: 17 MB Level 2

Phrase performances: Glissando, A string

Monophonic

1 velocity layer

Release samples

04 VI_perf-gliss_E

Range: D5–C#7 Samples: 396 RAM: 24 MB Level 2

Phrase performances: Glissando, E string

Monophonic

1 velocity layer

Release samples

05 VI_octav-gliss_me

Range: G3–D7 Samples: 42 RAM: 2 MB Level 1

Phrases: Octave glissando, medium

Please note that upward glissandos can be played to an octave below the upper play range, downward glissandos to an octave above the lower play range.

1 velocity layer

AB switch: up/down

06 VI_octav-gliss_fa

Range: G3–D7 Samples: 60 RAM: 3 MB Level 1

Phrases: Octave glissando, fast

Please note that upward glissandos can be played to an octave below the upper play range, downward glissandos to an octave above the lower play range.

1 velocity layer

AB switch: up/down

17 SCALE RUNS

Level 2: Octave runs, legato and spiccato, major and minor sharp from C to B on every note of the scale; chromatic and whole tone; 200 BPM.

Please note that upward runs can be played only to an octave below the upper play range, downward runs to an octave above the lower play range. The octave runs are mapped diatonically according to their scale. For the playing ranges and mappings of individual scales, please see the appendix.

**Legato major****Range: G3–A#6****01 VI run-leg_C-ma (through to B-ma)**

Octave runs, legato, 16ths at 200 BPM, C to B major
 2 velocity layers: 0–88 p; 89–127 f
 AB switch: up/down

Samples: 64**RAM: 4 MB****Level 2****Legato minor****Range: G3–A#6****01 VI run-leg_C-mi (through to B-mi)**

Octave runs, legato, 16ths at 200 BPM, C to B minor
 2 velocity layers: 0–88 p; 89–127 f
 AB switch: up/down

Samples: 64**RAM: 4 MB****Level 2****Legato special****Range: G3–C7****01 VI_run-leg_chromatic**

Octave runs, legato, 16ths at 200 BPM, chromatic. The upward runs go up to A5 (starting note).
 2 velocity layers: 0–88 p; 89–127 f
 AB switch: up/down

Samples: 56**RAM: 3 MB****Level 2****02 VI_run-leg_whole****Samples: 56****RAM: 3 MB****Level 2**

Octave runs, legato, 16ths at 200 BPM, whole tone. Mapped chromatically. The upward runs go up to A5 (starting note).
 2 velocity layers: 0–88 p; 89–127 f
 AB switch: up/down

Spiccato major**Range: G3–A#6****01 VI run-spic_C-ma (through to B-ma)****Samples: 32****RAM: 2 MB****Level 2**

Octave runs, spiccato, mezzoforte, 16ths at 140 BPM, C to B major
 1 velocity layer
 AB switch: up/down

Spiccato minor**Range: G3–A#6****01 VI_run-spic_C-mi (through to B-mi)****Samples: 32****RAM: 2 MB****Level 2**

Octave runs, spiccato, mezzoforte, 16ths at 140 BPM, C to B minor
 1 velocity layer
 AB switch: up/down

**Spiccato special****Range: G3-C7****01 VI_run-spic_chromatic**

Octave runs, spiccato, mezzoforte, 16ths at 140 BPM, chromatic
 1 velocity layer
 AB switch: up/down

Samples: 28**RAM: 1 MB****Level 2****02 VI_run-spic_whole**

Octave runs, spiccato, mezzoforte, 16ths at 140 BPM, whole tone
 1 velocity layer
 AB switch: up/down

Samples: 28**RAM: 1 MB****Level 2****98 RESOURCES**

Level 2: Isolated dynamics repetitions, single layer long notes, interval performance speed variations.

01 Perf Rep dyn**Range: G3-A#7****01 VI_rep_cre5_leg-sl-1 (2/3/4/5)**

Extracted repetitions: Legato slow, crescendo, 1st to 5th note
 1 velocity layer

Samples: 25**RAM: 1 MB****Level 2****01 VI_rep_dim5_leg-sl-1 (2/3/4/5)**

Extracted repetitions: Legato slow, diminuendo, 1st to 5th note
 1 velocity layer

Samples: 25**RAM: 1 MB****Level 2****02 VI_rep_cre5_leg-fa-1 (2/3/4/5)**

Extracted repetitions: Legato fast, crescendo, 1st to 5th note
 1 velocity layer

Samples: 26**RAM: 1 MB****Level 2****02 VI_rep_dim5_leg-fa-1 (2/3/4/5)**

Extracted repetitions: Legato fast, diminuendo, 1st to 5th note
 1 velocity layer

Samples: 26**RAM: 1 MB****Level 2****03 VI_rep_cre5_por-sl-1 (2/3/4/5)**

Extracted repetitions: Portato slow, crescendo, 1st to 5th note
 1 velocity layer

Samples: 25**RAM: 1 MB****Level 2****03 VI_rep_dim5_por-sl-1 (2/3/4/5)**

Extracted repetitions: Portato slow, diminuendo, 1st to 5th note
 1 velocity layer

Samples: 25**RAM: 1 MB****Level 2****04 VI_rep_cre5_por-me-1 (2/3/4/5)**

Extracted repetitions: Portato medium, crescendo, 1st to 5th note
 1 velocity layer

Samples: 25**RAM: 1 MB****Level 2****04 VI_rep_dim5_por-me-1 (2/3/4/5)**

Extracted repetitions: Portato medium, diminuendo, 1st to 5th note
 1 velocity layer

Samples: 25**RAM: 1 MB****Level 2**

05 VI_rep_cre9_por-fa-1 (2/3/4/5/6/7/8/9) Extracted repetitions: Portato fast, crescendo, 1st to 9th note 1 velocity layer	Samples: 26	RAM: 1 MB	Level 2
05_VI_rep_dim9_por-fa-1 (2/3/4/5/6/7/8/9) Extracted repetitions: Portato fast, diminuendo, 1st to 9th note 1 velocity layer	Samples: 26	RAM: 1 MB	Level 2
06_VI_rep_cre9_sta-1 (2/3/4/5/6/7/8/9) Extracted repetitions: Staccato, crescendo, 1st to 9th note 1 velocity layer	Samples: 26	RAM: 1 MB	Level 2
06_VI_rep_dim9_sta-1 (2/3/4/5/6/7/8/9) Extracted repetitions: Staccato, diminuendo, 1st to 9th note 1 velocity layer	Samples: 26	RAM: 1 MB	Level 2
07_VI_rep_cre9_spi-1 (2/3/4/5/6/7/8/9) Extracted repetitions: Spiccato, crescendo, 1st to 9th note 1 velocity layer	Samples: 25	RAM: 1 MB	Level 2
07_VI_rep_dim9_spi-1 (2/3/4/5/6/7/8/9) Extracted repetitions: Spiccato, diminuendo, 1st to 9th note 1 velocity layer	Samples: 25	RAM: 1 MB	Level 2
08_VI_rep_cre9_harsh-1 (2/3/4/5/6/7/8/9) Extracted repetitions: Harsh, crescendo, 1st to 9th note 1 velocity layer	Samples: 25	RAM: 1 MB	Level 2
08_VI_rep_dim9_harsh-1 (2/3/4/5/6/7/8/9) Extracted repetitions: Harsh, diminuendo, 1st to 9th note 1 velocity layer	Samples: 25	RAM: 1 MB	Level 2

02 Long Notes - Single Layer	Range: G3-A#7		
01 VI_sus_Vib-pp Sustained, vibrato, pp 1 velocity layer Release samples	Samples: 151	RAM: 9 MB	Level 2
02 VI_sus_Vib-mp Sustained, vibrato, mp 1 velocity layer Release samples	Samples: 150	RAM: 9 MB	Level 2
03 VI_sus_Vib-f Sustained, vibrato, f 1 velocity layer Release samples	Samples: 201	RAM: 12 MB	Level 2
04 VI_sus_Vib-ff Sustained, vibrato, ff 1 velocity layer	Samples: 251	RAM: 15 MB	Level 2

Release samples

03 Perf Speed variation**Range: G3–D7****01 VI_perf-legato_me****Samples: 1189 RAM: 74 MB Level 2**

Interval performances: Legato, medium speed

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

02 VI_perf-marcato_me**Samples: 1212 RAM: 75 MB Level 2**

Interval performances: Marcato, medium speed

Monophonic

2 velocity layers: 0–88 mp; 89–127 f

Release samples

03 VI_stac-spic**Range: G3–C8 Samples: 306 RAM: 19 MB Level 2**

Single notes: Staccato/spiccato

3 velocity layers: 0–55 p; 56–88 mp; 89–127 f

99 RELEASE

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments matrix – you will not be able to hear anything when you try to play them.

Matrices

Matrix - LEVEL 1

L1 VI Articulation Combi

Samples: 3869 RAM: 241 MB Level 1

Single note articulations: Normal, ponticello, artificial harmonics, glissandos, pizzicato

Matrix switches: Horizontal: Keyswitches, C1–A1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1
V1	stac	sus	fp	trem	trill half	pon.stac	pon.trem	harm.stac	med.gloss	pizz.
V2	dét. short	marc	sfz	trem auto	trill whole	pon.sus	pon.trem auto	harm.sus	fast gloss	snap pizz.

L1 VI Perf-Legato Speed + porta

Samples: 2679 RAM: 167 MB Level 1

Interval performances: Legato slow and fast, portamento

Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones Vertical: Modwheel, 2 zones

	H1	H2
V1	legato slow	legato fast
V2	portamento	legato fast

L1 VI Perf-Repetitions Combi

Samples: 1752 RAM: 109 MB Level 1

Repetition performances: Slow legato, staccato, spiccato

Matrix switches: Vertical: Modwheel, 3 zones

	repetitions
V1	legato
V2	staccato
V3	spiccato

Matrix - LEVEL 2 A - Advanced

01 VI Perf-Universal

Samples: 5762 RAM: 360 MB Level 2

Interval performances: Legato, marcato, spiccato; slow and fast

Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 4 zones Vertical: Modwheel, 3 zones

	H1	H2	H3	H4
legato	slow	medium	medium	fast
marcato	slow	medium	medium	fast
spiccato	stac/spic	stac/spic	slow	fast

02 VI Perf-Legato - All

Samples: 3759 RAM: 234 MB Level 2

Interval performances: Legato straight, on one string, zigane, progressive vibrato, portamento

Monophonic

Matrix switches: Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1
legato	normal	one string	zigane	prog.vibrato
portamento	%	%	%	%

03 VI Perf-Trill Speed

Samples: 3940 RAM: 246 MB Level 2

Multi interval performances: Legato and trills

Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
V1	legato	trills

04 VI Perf-Trill Speed - Combi

Samples: 5207 RAM: 325 MB Level 2

Multi interval performances: Legato, zigane, portamento, trills

Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

Vertical: Modwheel, 3 zones

	H1	H2
V1	legato	trills
V2	zigane	trills
V3	portamento	trills

05 VI Short+Long notes - All

Samples: 3033 RAM: 189 MB Level 2

Staccato, détaché short and long, sustained

Vibrato variations

Matrix switches: Horizontal: Keyswitches, C1–D#1

Vertical: Modwheel, 5 zones

	C1	C#1	D1	D#1
V1	staccato	détaché short	détaché long	sustained vibrato
V2	%	%	%	no vibrato
V3	%	%	%	prog. vibrato
V4	%	%	%	marcato
V5	%	%	%	vib. down

06 VI Perf-Harsh - Combi

Samples: 2031 RAM: 126 MB Level 2

Sustained, vibrato variations, ponticello; all with harsh attack

Cell crossfade for vibrato/no vibrato sustain

Matrix switches: Horizontal: Keyswitches, C1–D#1

	C1	C#1	D1	D#1
V1	sus-vib./no vib.	sus-progr.vib.	ponticello	harsh

Matrix - LEVEL 2 B - Standard**11 VI Perf-Legato Speed**

Samples: 1931 RAM: 120 MB Level 2

Interval performances: Legato slow and fast

Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 3 zones

	H1	H2	H3
legato	slow	medium	fast

12 VI Perf-Marcato Speed

Samples: 2140 RAM: 133 MB Level 2

Interval performances: Marcato slow and fast

Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 3 zones

	H1	H2	H3
marcato	slow	medium	fast

13 VI Perf-Spiccato Speed**Samples: 1882 RAM: 117 MB Level 2**

Interval performances: Staccato/spiccato, performance spiccato slow and fast

Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 3 zones

	H1	H2	H3	
spiccato	stac/spic	slow	fast	
	C1	C#1	D1	D#1
V1	staccato	détaché short	dét. long, vib.	dét. long, no vib.

14 VI Short notes - All**Samples: 1624 RAM: 101 MB Level 2**

Staccato, détaché short, détaché long with and without vibrato

Matrix switches: Horizontal: Keyswitches, C1–D#1

	C1	C#1	D1	D#1
V1	staccato	détaché short	dét. long, vib.	dét. long, no vib.
	C1	C#1	D1	D#1
	vibrato	marcato	espressivo	progr. vibrato

15 VI Long notes - All**Samples: 1509 RAM: 94 MB Level 2**

Sustained with vibrato, marcato, espressivo, progressive, fading, and no vibrato

Matrix switches: Horizontal: Keyswitches, C1–F1

	C1	C#1	D1	D#1	E1	F1
sustained	vibrato	marcato	espressivo	progr. vibrato	fading vibrato	no vibrato
	C1	C#1	D1	D#1	E1	F1

16 VI Dynamics - Small**Samples: 750 RAM: 46 MB Level 2**

Medium dynamics: Crescendo/diminuendo with vibrato 1.5, 3, 4 sec., fortepiano, sforzato, sforzatissimo

Matrix switches: Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 4 zones

	C1	C#1	D1
medium dyn. vib.	1.5 sec.	3 sec.	4 sec.
fp	%	%	%
sfz	%	%	%
sffz	%	%	%

17 VI Dynamics - All**Samples: 1557 RAM: 97 MB Level 2**

Dynamics: Crescendo/diminuendo medium with and without vibrato, strong with vibrato, cresc-dim 2 and 4 sec., fortepiano, sforzato, sforzatissimo

Matrix switches: Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 5 zones

	C1	C#1	D1
med.dyn. vib.	1.5sec.	3sec.	4sec.
strong dyn. vib.	1.5sec.	3sec.	4sec.
med.dyn. no vib.	1.5sec.	3sec.	3sec.
special dyn.	pfp 2sec.	pfp 4sec.	pfp 4sec.
special dyn.	fp	sfz	sffz

18 VI Tremolo - All**Samples: 661 RAM: 41 MB Level 2**

Tremolo: sustained, sustained with attack automation, dynamics 1.5 and 3 sec.

Matrix switches: Horizontal: Keyswitches, C1–D#1

	C1	C#1	D1	D#1
tremolo	sustained	auto attack	dyn. 1.5sec.	dyn. 3sec.
	C1	C#1	D1	D#1

19 VI Trills - normal

Samples: 300 RAM: 18 MB Level 2

Trills: normal and dynamics, half and whole tone

Matrix switches: Horizontal: Keyswitches, C1–C#1 Vertical: Modwheel, 2 zones

	C1	C#1
half tone	normal	dynamics
whole tone	normal	dynamics

20 VI Trills - accelerando

Samples: 282 RAM: 17 MB Level 2

Trills accelerando: normal and dynamics, half and whole tone

Matrix switches: Horizontal: Keyswitches, C1–C#1 Vertical: Modwheel, 2 zones

	C1	C#1
half tone	normal	dynamics
whole tone	normal	dynamics

21 VI Trills - All

Samples: 582 RAM: 36 MB Level 2

Trills: constant speed and accelerando, normal and dynamics, half and whole tone

Matrix switches: Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1
half tone	normal	dynamics	accelerando	acc. dynamics
whole tone	normal	dynamics	accelerando	acc. dynamics

22 VI Pizzicato + Legno - All

Samples: 564 RAM: 35 MB Level 2

Pizzicato normal, secco, and snap; col legno

Matrix switches: Horizontal: Keyswitches, C1–C#1 Vertical: Modwheel, 3 zones

	C1	C#1
V1	pizzicato normal	col legno
V2	pizz. secco	col legno
V3	pizz. snap	col legno

23 VI Harmonics artificial - All

Samples: 273 RAM: 17 MB Level 2

Artificial harmonics: Staccato, sustained, repetition performances, glissando

Matrix switches: Horizontal: Keyswitches, C1–D#1

	C1	C#1	D1	D#1
harmonics artificial	staccato	sustained	perf. repetition	glissando

24 VI Harmonics natural - All

Samples: 344 RAM: 21 MB Level 2

Natural harmonics: Sustained, repetition performances, glissando

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
harmonics natural	sustained	perf. repetition	glissando

25 VI Ponticello - All

Samples: 1745 RAM: 109 MB Level 2

Ponticello: Staccato, détaché, sustained, sforzato, sforzatissimo, tremolo, legato repetitions normal/dynamics

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1
V1	staccato	sustained	sfz	tremolo	perf.rep legato
V2	détaché	sus. auto attack	sffz	trem. auto attack	perf.rep legato dyn.

26 VI Ponticello XF - All**Samples: 4640 RAM: 290 MB Level 2**

Ponticello and normal: Staccato, détaché, sustained, sforzato, sforzatissimo, tremolo, legato repetitions normal/dynamics
 Cell crossfade ponticello/normal

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1
V1	staccato	sustained	sfz	tremolo	perf.rep legato
V2	détaché	sus. auto attack	sffz	trem. auto attack	perf.rep legato dyn.

27 VI Tasto - All**Samples: 1183 RAM: 73 MB Level 2**

Sul tasto: Staccato, détaché, sustained, sforzato, tremolo

Matrix switches: Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1
V1	staccato	sustained	sfz	tremolo
V2	détaché	sus. auto attack	sfz	trem. auto attack

28 VI Tasto XF - All**Samples: 3453 RAM: 215 MB Level 2**

Sul tasto and normal: Staccato, détaché, sustained, sforzato, tremolo

Cell crossfade tasto/normal

Matrix switches: Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1
V1	staccato	sustained	sfz	tremolo
V2	détaché	sus. auto attack	sfz	trem. auto attack

29 VI Glissando - All**Samples: 1139 RAM: 71 MB Level 2**

Single string performance glissandos

Medium and fast octave glissandos

Monophonic

Matrix switches: Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1
perf.gliss	G string	D string	A string	E string
octave gliss	medium	medium	medium	medium
octave gliss	fast	fast	fast	fast

Matrix - LEVEL 2 C - Repetitions**31 VI Perf-Repetitions - Combi****Samples: 2577 RAM: 161 MB Level 2**

Repetition performances: Legato, portato, staccato, spiccato, harsh

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
repetitions	legato	portato	staccato	spiccato	harsh

32 VI Perf-Repetitions - Speed**Samples: 2127 RAM: 132 MB Level 2**

Repetition performances: Legato, portato, staccato, spiccato

Speed controller

Matrix switches: Horizontal: Speed, 4 zones

	H1	H2	H3	H4
repetitions	legato	portato	staccato	spiccato

33 VI Fast-Repetitions

Samples: 546 RAM: 34 MB Level 2

Fast repetitions: 150, 160, 170, 180, 190, 200 BPM

Matrix switches: Horizontal: Keyswitches, C1–F1

	C1	C#1	D1	D#1	E1	F1
speed/BPM	150	160	170	180	190	200

34 VI Ricochet-Repetitions - All

Samples: 250 RAM: 15 MB Level 2

Ricochet repetitions: 150, 160, 170, 180, 190, 210 BPM, 3 upbeats, accelerando, ritardando

Matrix switches: Horizontal: Keyswitches, C1–F1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1
speed/BPM	150	160	170	180	190	210
3 repetitions	%	%	%	%	%	%
accelerando	%	%	%	%	%	%
ritardando	%	%	%	%	%	%

Matrix - LEVEL 2 D - Scale+Phrase**41 VI Scale runs-legato - Major**

Samples: 380 RAM: 23 MB Level 2

Octave runs, legato: Major, C to B

AB switch up/down

Matrix switches: Horizontal: Keyswitches, C1–B1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
major runs	C	C#	D	D#	E	F	F#	G	G#	A	A#	B

42 VI Scale runs-legato - Minor

Samples: 380 RAM: 23 MB Level 2

Octave runs, legato: Minor sharp, C to B

AB switch up/down

Matrix switches: Horizontal: Keyswitches, C1–B1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
minor runs	C	C#	D	D#	E	F	F#	G	G#	A	A#	B

43 VI Scale runs-legato - Special

Samples: 112 RAM: 7 MB Level 2

Octave runs, legato: Chromatic and whole tone

AB switch up/down

Matrix switches: Vertical: Modwheel, 2 zones

	H1
runs	chromatic
V2	whole tone

44 VI Scale runs-legato - All

Samples: 872 RAM: 54 MB Level 2

Octave runs, legato: Major and minor, C to B; chromatic and whole tone

AB switch up/down

Matrix switches: Horizontal: Keyswitches, C1–B1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
major	C	C#	D	D#	E	F	F#	G	G#	A	A#	B
minor	C	C#	D	D#	E	F	F#	G	G#	A	A#	B
chromatic	%	%	%	%	%	%	%	%	%	%	%	%
whole tone	%	%	%	%	%	%	%	%	%	%	%	%

45 VI Scale runs-spiccato - Major

Samples: 188 RAM: 11 MB Level 2

Octave runs, spiccato: Major, C to B

AB switch up/down

Matrix switches: Horizontal: Keyswitches, C1–B1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
major runs	C	C#	D	D#	E	F	F#	G	G#	A	A#	B

46 VI Scale runs-spiccato - Minor

Samples: 190 RAM: 11 MB Level 2

Octave runs, spiccato: Minor sharp, C to B

AB switch up/down

Matrix switches: Horizontal: Keyswitches, C1–B1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
minor runs	C	C#	D	D#	E	F	F#	G	G#	A	A#	B

47 VI Scale runs-spiccato - Special

Samples: 56 RAM: 3 MB Level 2

Octave runs, spiccato: Chromatic and whole tone

AB switch up/down

Matrix switches: Vertical: Modwheel, 2 zones

	H1
runs	chromatic
V2	whole tone

48 VI Scale runs-spiccato - All

Samples: 434 RAM: 27 MB Level 2

Octave runs, spiccato: Major and minor, C to B; chromatic and whole tone

AB switch up/down

AB switch up/down

Matrix switches: Horizontal: Keyswitches, C1–B1

Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
major	C	C#	D	D#	E	F	F#	G	G#	A	A#	B
minor	C	C#	D	D#	E	F	F#	G	G#	A	A#	B
chromatic	%	%	%	%	%	%	%	%	%	%	%	%
whole tone	%	%	%	%	%	%	%	%	%	%	%	%

49 VI Grace notes - All

Samples: 471 RAM: 29 MB Level 2

Grace notes: Slow and fast, half and whole tone

Mapped to target note

AB switch: up/down

Matrix switches: Horizontal: Keyswitches, C1–C#1

Vertical: Modwheel, 2 zones

	C1	C#1
minor 2nd	slow	fast
major 2nd	slow	fast

50 VI Grace notes - zigane

Samples: 463 RAM: 28 MB Level 2

Grace notes, zigane (gipsy): Minor 2nd to major 3rd

Mapped to target note

AB switch: up/down

Matrix switches: Horizontal: Keyswitches, C1–D#1

	C1	C#1	D1	D#1
interval	min.2nd	maj.2nd	min.3rd	maj.3rd

Matrix - LEVEL 2 E - Keyswitch Vel**61 VI Legato slow - cre5**

Legato notes 1 sec.: Crescendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Samples: 125 RAM: 7 MB Level 2

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

62 VI Legato fast - cre5

Fast legato notes: Crescendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Samples: 130 RAM: 8 MB Level 2

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

63 VI Portato slow - cre5

Slow portato notes: Crescendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Samples: 125 RAM: 7 MB Level 2

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

64 VI Portato medium - cre5

Medium portato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Samples: 125 RAM: 7 MB Level 2

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

65 VI Portato fast - cre9

Fast portato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Samples: 234 RAM: 14 MB Level 2

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

66 VI Staccato - cre9

Staccato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Samples: 234 RAM: 14 MB Level 2

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

67 VI Spiccato - cre9

Spiccato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Samples: 225 RAM: 14 MB Level 2

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

68 VI Harsh - cre9

Samples: 225 RAM: 14 MB Level 2

Harsh notes: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

69 VI Combi - cre5

Samples: 505 RAM: 31 MB Level 2

Slow/fast legato, slow/medium portato: Crescendo, keyswitch velocity

Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1
leg slow	1st	2nd	3rd	4th	5th
leg fast	1st	%	%	%	%
port slow	1st	2nd	3rd	4th	5th
port med	1st	%	%	%	%

70 VI Combi - cre9

Samples: 918 RAM: 57 MB Level 2

Fast portato, staccato, spiccato, harsh: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%
spiccato	1st	%	%	%	%	%	%	%	%
harsh	1st	%	%	%	%	%	%	%	%

71 VI Legato slow - dim5

Samples: 125 RAM: 7 MB Level 2

Legato notes 1 sec.: Diminuendo, keyswitch velocity

Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

72 VI Legato fast - dim5

Samples: 130 RAM: 8 MB Level 2

Fast legato notes: Diminuendo, keyswitch velocity

Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

73 VI Portato slow - dim5

Samples: 125 RAM: 7 MB Level 2

Slow portato notes: Diminuendo, keyswitch velocity

Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

74 VI Portato medium - dim5**Samples: 125****RAM: 7 MB****Level 2**

Medium portato notes: Diminuendo, keyswitch velocity

Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

75 VI Portato fast - dim9**Samples: 234****RAM: 14 MB****Level 2**

Fast portato notes: Diminuendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

76 VI Staccato - dim9**Samples: 234****RAM: 14 MB****Level 2**

Staccato notes: Diminuendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

77 VI Spiccato - dim9**Samples: 225****RAM: 14 MB****Level 2**

Spiccato notes: Diminuendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

78 VI Harsh - dim9**Samples: 225****RAM: 14 MB****Level 2**

Harsh notes: Diminuendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

79 VI Combi - dim5**Samples: 505****RAM: 31 MB****Level 2**

Slow/fast legato, slow/medium portato: Diminuendo, keyswitch velocity

Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1
leg slow	1st	2nd	3rd	4th	5th
leg fast	1st	%	%	%	%
port slow	1st	2nd	3rd	4th	5th
port med	1st	%	%	%	%

80 VI Combi - dim9**Samples: 918 RAM: 57 MB Level 2**

Fast portato, staccato, spiccato, harsh: Diminuendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%
spiccato	1st	%	%	%	%	%	%	%	%
harsh	1st	%	%	%	%	%	%	%	%

Presets**VI VSL Preset Level 1****Samples: 8084 RAM: 505 MB Level 1**

L1 VI Perf-Legato Speed + porta

L1 VI Articulation Combi

L1 VI Perf-Repetitions Combi

VI VSL Preset Level 2**Samples: 15584 RAM: 974 MB Level 2**

01 VI Perf-Universal

02 VI Perf-Legato - All

L1 VI Articulation Combi

31 VI Perf-Repetitions - Combi

70 VI Combi - cre9

06 Perf-Harsh - Combi

02 Viola solo

Description

The viola is the alto instrument of the violin family. It is constructed using the same components as the violin, the only difference being the larger size. Its stately and dark timbre contrasts sharply with that of the violin.

The modern symphony orchestra usually uses 10 (in large orchestras 12) violas.

Range and notation

The viola has a range from C3–A6 (harmonic E7).

The viola is a non-transposing instrument notated in alto clef, and in treble clef from the second octave above middle C. The viola's range lies mainly between C3 and G5, that is, within the alto clef's domain.

Sound characteristics

Dark, stately, reedy, warm, distinctive, full, lively, singing, eloquent, introspective, sensuous, round, muffled, solemn, austere, muted, rough, wafting, veiled, sonorous, powerful, robust.

The sound of the violas as a group achieves an austere charm which is used for melodic tasks at dramatic turning points, especially in the opera orchestra.

Combination with other instruments

The doubling of voices in the middle register is one of the viola's customary roles as it is acting as an intermediary between the violins and the cellos.

Woodwinds provide the strings with more volume and power, while the strings make the woodwinds more mellow, especially when playing in *unison*. In high registers and played *forte* or *fortissimo* the viola is perfectly capable of matching the woodwinds for intensity and acerbity of sound, an effect that is intensified when the groups play in combination.

The combination of violas and the majority of brass instruments produces a relatively homogeneous sound.

Patches

01 SHORT + LONG NOTES

Range: C3–G#6



- Level 1:** Staccato, short and long détaché, sustained with vibrato, marcato
Level 2: Sustained with progressive, fading, and without vibrato, espressivo

01 VA_staccato

Samples: 350 RAM: 21 MB Level 1

Staccato
 4 velocity layers: 0–55 pp; 56–88 mf; 89–108 f; 109–127 ff
 4 Alternations

02 VA_detache_short

Samples: 352 RAM: 22 MB Level 1

Short détaché
 4 velocity layers: 0–55 p; 56–88 mp; 89–108 f; 109–127 ff
 4 Alternations

03 VA_detache_long

Samples: 440 RAM: 27 MB Level 1

Long détaché
 5 velocity layers: 0–28 pp; 29–55 mp; 56–88 mf; 89–108 f; 109–127 ff
 4 Alternations

10 VA_sus_Vib

Samples: 601 RAM: 37 MB Level 1

Sustained, vibrato
 4 velocity layers: 0–55 pp; 56–88 mp; 89–108 mf; 109–127 f
 Release samples

11 VA_sus_Vib_fA

Samples: 300 RAM: 18 MB Level 2

Sustained, vibrato
 Optimized attack for legato
 4 velocity layers: 0–55 pp; 56–88 mp; 89–108 mf; 109–127 f
 Release samples

12 VA_sus_Vib_fA_auto

Samples: 730 RAM: 45 MB Level 2

Sustained, vibrato
 Attack automation
 Monophonic
 4 velocity layers: 0–55 pp; 56–88 mp; 89–108 mf; 109–127 f
 Release samples

13 VA_sus_Vib-marc

Samples: 218 RAM: 13 MB Level 1

Sustained, vibrato, marcato
 3 velocity layers: 0–88 mf; 89–108 f; 109–127 ff
 Release samples

14 VA_sus_Vib-espr

Samples: 86 RAM: 5 MB Level 2

Sustained (4 sec.), vibrato, forte, espressivo
 1 velocity layer
 Release samples

15 VA_sus_Vib-progr Sustained, progressive vibrato 3 velocity layers: 0–55 p; 56–108 mf; 109–127 f Release samples	Samples: 390	RAM: 24 MB	Level 2
16 VA_sus_Vib-down Sustained, diminishing vibrato 2 velocity layers: 0–88 f; 89–127 ff	Samples: 86	RAM: 5 MB	Level 2
17 VA_sus_noVib Sustained, no vibrato 3 velocity layers: 0–55 pp; 56–108 mf; 109–127 ff Release samples	Samples: 260	RAM: 16 MB	Level 2

02 DYNAMICS**Range: C3–G#6****Level 1:** Fortepiano, sforzato**Level 2:** Medium crescendo and diminuendo with and without vibrato (1.5 and 3 sec.), strong crescendo and diminuendo with vibrato (1.5, 3, and 4 sec.), crescendo-diminuendo (2 and 4 sec.), sforzatissimo

01 VA_dyn-me_Vib_1'5s	Samples: 172	RAM: 10 MB	Level 2
Medium dynamics, 1.5 sec., vibrato 2 velocity layers: 0–88 p–mf/mf–p; 89–127 mf–f/f–mf AB switch: crescendo/diminuendo			

02 VA_dyn-me_Vib_3s	Samples: 178	RAM: 11 MB	Level 2
Medium dynamics, 3 sec., vibrato 2 velocity layers: 0–88 pp–mf/mf–pp; 89–127 mf–ff/ff–mf AB switch: crescendo/diminuendo			

03 VA_dyn-str_Vib_1'5s	Samples: 89	RAM: 5 MB	Level 2
Strong dynamics, 1.5 sec., vibrato 1 velocity layer AB switch: crescendo/diminuendo			

04 VA_dyn-str_Vib_3s	Samples: 86	RAM: 5 MB	Level 2
Strong dynamics, 3 sec., vibrato 1 velocity layer AB switch: crescendo/diminuendo			

05 VA_dyn-str_Vib_4s	Samples: 86	RAM: 5 MB	Level 2
Strong dynamics, 4 sec., vibrato 1 velocity layer AB switch: crescendo/diminuendo			

06 VA_dyn-me_noVib_1'5s	Samples: 176	RAM: 11 MB	Level 2
Medium dynamics, 1.5 sec., no vibrato 2 velocity layers: 0–88 pp–mf/mf–pp; 89–127 mf–ff/ff–mf AB switch: crescendo/diminuendo			

07 VA_dyn-me_noVib_3s	Samples: 176	RAM: 11 MB	Level 2
Medium dynamics, 3 sec., no vibrato 2 velocity layers: 0–88 pp–mf/mf–pp; 89–127 mf–ff/ff–mf AB switch: crescendo/diminuendo			
08 VA_pfp_Vib_2s	Samples: 44	RAM: 2 MB	Level 2
Crescendo-diminuendo, 2 sec., vibrato 2 velocity layers: 0–88 p; 89–127 f			
09 VA_pfp_Vib_4s	Samples: 86	RAM: 5 MB	Level 2
Crescendo-diminuendo, 4 sec., vibrato 2 velocity layers: 0–88 p–mf; 89–127 mf–f			
10 VA_fp_Vib	Samples: 43	RAM: 2 MB	Level 1
Fortepiano, vibrato 1 velocity layer			
11 VA_sfz_Vib	Samples: 43	RAM: 2 MB	Level 1
Sforzato, vibrato 1 velocity layer			
12 VA_sffz_Vib	Samples: 43	RAM: 2 MB	Level 2
Sforzatissimo, vibrato 1 velocity layer			

03 TREMOLO + TRILLS	Range: C3–G#6	
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Level 1:	Tremolo sustained, trills half and whole tone
Level 2:	Tremolo crescendo and diminuendo (1.5 and 3 sec.), trills constant speed dynamics, accelerando normal and dynamics.

01 VA_trem_sus	Samples: 220	RAM: 13 MB	Level 1
Tremolo sustained 3 velocity layers: 0–55 pp; 56–108 mf; 109–127 ff Release samples			

02 VA_trem_sus_fA	Samples: 220	RAM: 13 MB	Level 2
Tremolo sustained Optimized attack for legato 3 velocity layers: 0–55 pp; 56–108 mf; 109–127 ff Release samples			

03 VA_trem_sus_fA_auto	Samples: 330	RAM: 20 MB	Level 1
Tremolo sustained Attack automation Monophonic 3 velocity layers: 0–55 pp; 56–108 mf; 109–127 ff Release samples			

04 VA_trem_dyn_1'5s	Samples: 88	RAM: 5 MB	Level 2
Tremolo dynamics, 1.5 sec. 2 velocity layers: 0–88 p; 89–127 f AB switch: crescendo/diminuendo			
05 VA_trem_dyn_3s	Samples: 88	RAM: 5 MB	Level 2
Tremolo dynamics, 3 sec. 2 velocity layers: 0–88 p; 89–127 f AB switch: crescendo/diminuendo			
10 VA_trill_1	Range: C3–A5	Samples: 64	RAM: 4 MB
Trills: Half tone 2 velocity layers: 0–88 p; 89–127 f Release samples			Level 1
11 VA_trill_2	Range: C3–A5	Samples: 64	RAM: 4 MB
Trills: Whole tone 2 velocity layers: 0–88 p; 89–127 f Release samples			Level 1
12 VA_trill_1_dyn	Range: C3–A5	Samples: 32	RAM: 2 MB
Trills: Half tone, dynamics 1 velocity layer AB switch: crescendo/diminuendo			Level 2
13 VA_trill_2_dyn	Range: C3–A5	Samples: 32	RAM: 2 MB
Trills: Whole tone, dynamics 1 velocity layer AB switch: crescendo/diminuendo			Level 2
14 VA_trill-acc_1	Range: C3–D#6	Samples: 76	RAM: 4 MB
Trills: Accelerando, half tone 2 velocity layers: 0–88 p; 89–127 f Release samples			Level 2
15 VA_trill-acc_2	Range: C3–D#6	Samples: 76	RAM: 4 MB
Trills: Accelerando, whole tone 2 velocity layers: 0–88 p; 89–127 f Release samples			Level 2
16 VA_trill-acc_1_dyn	Range: C3–D#6	Samples: 38	RAM: 2 MB
Trills: Accelerando, half tone, dynamics 1 velocity layer AB switch: crescendo/diminuendo			Level 2
17 VA_trill-acc_2_dyn	Range: C3–D#6	Samples: 38	RAM: 2 MB
Trills: Accelerando, whole tone, dynamics 1 velocity layer AB switch: crescendo/diminuendo			Level 2

**04 PIZZ + LEGNO****Range: C3–A6****Level 1:** Pizzicato normal and snap (Bartók)**Level 2:** Col legno**01 VA_pizz****Samples: 176 RAM: 11 MB Level 1**

Pizzicato

2 velocity layers: 0–88 p; 89–127 f

4 Alternations

02 VA_pizz_snap**Samples: 88 RAM: 5 MB Level 1**

Snap or Bartók pizzicato

1 velocity layer

4 Alternations

03 VA_col-legno**Samples: 176 RAM: 11 MB Level 2**

Col legno

2 velocity layers: 0–88 p; 89–127 f

4 Alternations

05 HARMONICS**Range: C4–A6****Level 1:** Artificial harmonics staccato and sustained**Level 2:** Artificial harmonics repetition performances; Natural harmonics sustained, repetition performances, glissando

Harmonics patches are mapped an octave lower than they sound.

01 VA_harm-art_stac**Samples: 34 RAM: 2 MB Level 1**

Artificial harmonics: Staccato, mezzoforte

1 velocity layer

2 Alternations

02 VA_harm-art_sus**Samples: 68 RAM: 4 MB Level 1**

Artificial harmonics: Sustained

2 velocity layers: 0–88 p; 89–127 f

Release samples

03 VA_harm-art_perf-rep**Samples: 85 RAM: 5 MB Level 2**

Artificial harmonics: Repetition performances

1 velocity layer

11 VA_harm-nat_sus**Range: C3–A#6 Samples: 128 RAM: 8 MB****Level 2**

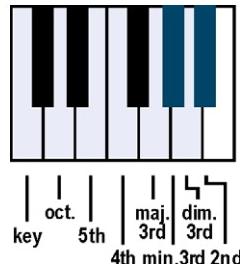
Natural harmonics: Sustained notes on every string, from fundamental to 7th harmonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

Mapping:

C – key note; D – 1st (octave); E – 2nd (5th); F – 3rd (4th); G – 4th (maj. 3rd); G# – 5th (min. 3rd); A – 6th (dim. 3rd); A# – 7th (2nd)
 C3–A#3: C string; C4–A#4: G string; C5–A#5: D string; C6–A#6: A string

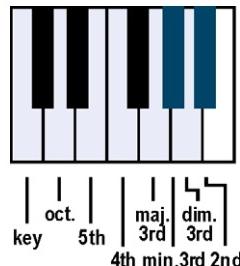
**12 VA_harm-nat_perf-rep****Range: C3–A#6 Samples: 160 RAM: 10 MB****Level 2**

Natural harmonics: Repetition performances on every string, from fundamental to 7th harmonic

1 velocity layer

Mapping:

C – key note; D – 1st (octave); E – 2nd (5th); F – 3rd (4th); G – 4th (maj. 3rd); G# – 5th (min. 3rd); A – 6th (dim. 3rd); A# – 7th (2nd)
 C3–A#3: C string; C4–A#4: G string; C5–A#5: D string; C6–A#6: A string

**13 VA_harm-nat_gliss****Range: C3–A#6 Samples: 56 RAM: 3 MB****Level 2**

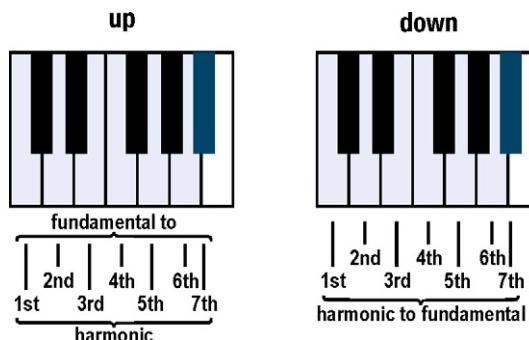
Natural harmonics: Glissandos on every string, from fundamental to 1st, 2nd, etc. harmonic; reverse for downward glissandos

1 velocity layer

AB switch: up/down

Mapping:

C – key note to 1st (octave); D – to 2nd (+5th); E – to 3rd (+4th); F – to 4th (+maj 3rd); G – to 5th (+min. 3rd); A – to 6th (+dim. 3rd); A# – to 7th (+2nd)
 C3–A#3: C string; C4–A#4: G string; C5–A#5: D string; C6–A#6: A string



**06 PONTICELLO****Range: C3–A6**

Ponticello – bowed near the bridge, giving a louder, brighter sound.

Level 1: Staccato, sustained, tremolo**Level 2:** Détaché, sforzato, sforzatissimo, repetition performances normal and dynamics**01 VA_pon_staccato****Samples: 204 RAM: 12 MB Level 1**

Ponticello staccato

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

2 Alternations

02 VA_pon_detache**Samples: 216 RAM: 13 MB Level 2**

Ponticello détaché

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

2 Alternations

03 VA_pon_sus**Samples: 198 RAM: 12 MB Level 1**

Ponticello sustained

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

Release samples

04 VA_pon_sus_fa**Samples: 198 RAM: 12 MB Level 2**

Ponticello sustained

Optimized attack for legato

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

Release samples

05 VA_pon_sus_fa_auto**Samples: 297 RAM: 18 MB Level 2**

Ponticello sustained

Attack automation

Monophonic

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

Release samples

06 VA_pon_sfz**Samples: 36 RAM: 2 MB Level 2**

Ponticello sforzato

1 velocity layer

07 VA_pon_sffz**Samples: 36 RAM: 2 MB Level 2**

Ponticello sforzatissimo

1 velocity layer

08 VA_pon_trem**Samples: 214 RAM: 13 MB Level 1**

Ponticello tremolo

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

Release samples

09 VA_pon_trem_fa**Samples: 214 RAM: 13 MB Level 2**

Ponticello tremolo

Optimized attack for legato

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

Release samples

10 VA_pon_trem_fA_auto

Ponticello tremolo
 Attack automation
 Monophonic
 3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
 Release samples

Samples: 321 RAM: 20 MB **Level 1**

11 VA_pon_perf-rep_leg

Repetition performances: Ponticello legato
 2 velocity layers: 0–88 p; 89–127 f

Samples: 220 RAM: 13 MB **Level 2**

12 VA_pon_perf-rep_dyn_leg

Repetition performances: Ponticello legato, dynamics, 5 repetitions
 1 velocity layer
 AB switch: crescendo/diminuendo

Samples: 220 RAM: 13 MB **Level 2**

07 TASTO

Range: C3–A6



Sul tasto or flautando – bowed near the fingerboard, resulting in a softer, muffled sound

Level 2: Staccato, détaché, sustained, sforzato, tremolo

01 VA_tas_staccato

Sul tasto staccato
 3 velocity layers: 0–55 ppp; 56–108 pp; 109–127 p
 2 Alternations

Samples: 264 RAM: 16 MB **Level 2**

02 VA_tas_detache

Sul tasto détaché
 3 velocity layers: 0–55 ppp; 56–108 pp; 109–127 p
 2 Alternations

Samples: 210 RAM: 13 MB **Level 2**

03 VA_tas_sus

Sul tasto sustained
 3 velocity layers: 0–55 ppp; 56–108 pp; 109–127 p
 Release samples

Samples: 240 RAM: 15 MB **Level 2**

04 VA_tas_sus_fA

Sul tasto sustained
 Optimized attack for legato
 3 velocity layers: 0–55 ppp; 56–108 pp; 109–127 p
 Release samples

Samples: 240 RAM: 15 MB **Level 2**

05 VA_tas_sus_fA_auto

Sul tasto sustained
 Attack automation
 Monophonic
 3 velocity layers: 0–55 ppp; 56–108 pp; 109–127 p
 Release samples

Samples: 360 RAM: 22 MB **Level 2**

06 VA_tas_sfz

Sul tasto sforzato
 1 velocity layer

Samples: 34 RAM: 2 MB **Level 2**

07 VA_tas_trem	Samples: 214	RAM: 13 MB	Level 2
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Sul tasto tremolo
3 velocity layers: 0–55 ppp; 56–108 pp; 109–127 p
Release samples

08 VA_tas_trem_fA	Samples: 214	RAM: 13 MB	Level 2
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Sul tasto tremolo
Optimized attack for legato
3 velocity layers: 0–55 ppp; 56–108 pp; 109–127 p
Release samples

09 VA_tas_trem_fA_auto	Samples: 321	RAM: 20 MB	Level 2
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Sul tasto tremolo
Attack automation
Monophonic
3 velocity layers: 0–55 ppp; 56–108 pp; 109–127 p
Release samples



10 PERF INTERVAL

Range: C3–D6

Level 1: Legato, portamento

Level 2: Legato on the same string, with progressive vibrato, zigane (gipsy), marcato, and spiccato

01 VA_perf-legato	Samples: 958	RAM: 59 MB	Level 1
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Legato
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

02 VA_perf-legato_sul	Samples: 978	RAM: 61 MB	Level 2
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Legato on the same string
Monophonic
2 velocity layers: 0–88 mp; 89–127 f
Release samples

03 VA_perf-legato_Vib-prog	Samples: 491	RAM: 30 MB	Level 2
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Legato, progressive vibrato
Monophonic
1 velocity layer
Release samples

04 VA_perf-legato_zigane	Samples: 628	RAM: 39 MB	Level 2
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Zigane (gipsy)
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

05 VA_perf-portamento	Samples: 978	RAM: 61 MB	Level 1
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Portamento
Monophonic
2 velocity layers: 0–88 mp; 89–127 f
Release samples

06 VA_perf-marcato

Marcato

Monophonic

2 velocity layers: 0–88 mp; 89–127 f

Release samples

Samples: 978

RAM: 61 MB

Level 2

07 VA_perf-spiccato

Spiccato

Monophonic

2 velocity layers: 0–88 mp; 89–127 f

Samples: 1104

RAM: 69 MB

Level 2

11 PERF INTERVAL FAST

Range: C3–D6

**Level 1:** Legato**Level 2:** Marcato, spiccato, and harsh**01 VA_perf-legato_fa**

Samples: 1186

RAM: 74 MB

Level 1

Legato, fast

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

02 VA_perf-marcato_fa

Samples: 1378

RAM: 86 MB

Level 2

Marcato, fast

Monophonic

2 velocity layers: 0–88 mp; 89–127 f

Release samples

03 VA_perf-spiccato_fa

Samples: 1216

RAM: 76 MB

Level 2

Spiccato, fast

Monophonic

2 velocity layers: 0–88 mp; 89–127 f

04 VA_perf-harsh_fa

Samples: 308

RAM: 19 MB

Level 2

Harsh, fast

Monophonic

1 velocity layer

12 PERF TRILL

Range: C3–D6

**Level 2:** Trills, legato, minor 2nd to 4th**01 VA_perf-trill_leg**

Samples: 2938

RAM: 183 MB

Level 2

Trills, legato

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

**13 PERF REPETITION****Range: C3–G#6****Level 1:** Legato slow, staccato, spiccato**Level 2:** Legato fast, portato, harsh; dynamics for all articulations**01 VA_perf-rep_leg-sl****Samples: 330 RAM: 20 MB Level 1**

Legato, slow

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

02 VA_perf-rep_leg-fa**Samples: 330 RAM: 20 MB Level 2**

Legato, fast

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

03 VA_perf-rep_por**Samples: 594 RAM: 37 MB Level 2**

Portato

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

04 VA_perf-rep_sta**Samples: 594 RAM: 37 MB Level 1**

Staccato

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

05 VA_perf-rep_spi**Samples: 594 RAM: 37 MB Level 1**

Spiccato

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

06 VA_perf-rep_harsh**Samples: 198 RAM: 12 MB Level 2**

Harsh

1 velocity layer

21 VA_perf-rep_dyn5_leg-sl**Samples: 220 RAM: 13 MB Level 2**

Legato dynamics, slow, 5 repetitions

1 velocity layer

AB switch: crescendo/diminuendo

22 VA_perf-rep_dyn5_leg-fa**Samples: 220 RAM: 13 MB Level 2**

Legato dynamics, fast, 5 repetitions

1 velocity layer

AB switch: crescendo/diminuendo

23 VA_perf-rep_dyn9_por**Samples: 396 RAM: 24 MB Level 2**

Portato dynamics, 9 repetitions

1 velocity layer

AB switch: crescendo/diminuendo

24 VA_perf-rep_dyn9_sta**Samples: 396 RAM: 24 MB Level 2**

Staccato dynamics, 9 repetitions

1 velocity layer

AB switch: crescendo/diminuendo

25 VA_perf-rep_dyn9_spi**Samples: 396 RAM: 24 MB Level 2**

Spiccato dynamics, 9 repetitions

1 velocity layer

AB switch: crescendo/diminuendo

26 VA_perf-rep_dyn9_harsh

Harsh dynamics, 9 repetitions

1 velocity layer

AB switch: crescendo/diminuendo

Samples: 396

RAM: 24 MB

Level 2

14 FAST REPETITION

Range: C3-G#6

**Level 2:**

9 repetitions, normal and dynamics, speeds from 150 to 190 BPM.

Ricochet – the bow is cast onto the string and rebounding: normal with 150 to 190 and 210 BPM, 3 quick repetitions, accelerando, ritardando

01 VA_fast-rep_150 (160/170/180/190)

Samples: 132

RAM: 8 MB

Level 2

Staccato, 9 repetitions, 150, 160, 170, 180, 190 BPM

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

Release samples

11 VA_fast-rep_150_dyn (160/170/180/190)

Samples: 44

RAM: 2 MB

Level 2

Staccato dynamics, 9 repetitions, 150, 160, 170, 180, 190 BPM

1 velocity layer

AB switch: crescendo/diminuendo

21 VA_ricochet_150 (160/170/180/190/210)

Samples: 44

RAM: 2 MB

Level 2

Ricochet, 5 repetitions, 150, 160, 170, 180, 190, 210 BPM

1 velocity layer

Release samples

31 VA_ricochet_a3

Samples: 22

RAM: 1 MB

Level 2

Ricochet, 3 repetitions

1 velocity layer

32 VA_ricochet_accel

Samples: 22

RAM: 1 MB

Level 2

Ricochet accelerando

1 velocity layer

33 VA_ricochet ritard

Samples: 22

RAM: 1 MB

Level 2

Ricochet ritardando

1 velocity layer

15 GRACE NOTES

Range: C3-G#6

**Level 2:**

Grace notes, half and whole tone; zigane grace notes, minor 2nd to major 3rd

01 VA_grace-1

Samples: 170

RAM: 10 MB

Level 2

Grace notes, half tone

2 velocity layers: 0–88 p; 89–127 f

Release samples

AB switch: up/down

02 VA_grace-2

Samples: 170

RAM: 10 MB

Level 2

Grace notes, whole tone

2 velocity layers: 0–88 p; 89–127 f

Release samples
AB switch: up/down

11 VA_grace-zigane-1 Range: C3–D6 Samples: 162 RAM: 10 MB **Level 2**

Grace notes, zigane, half tone
2 velocity layers: 0–88 p; 89–127 f
Release samples
AB switch: up/down

12 VA_grace-zigane-2 Range: C3–D6 Samples: 162 RAM: 10 MB **Level 2**

Grace notes, zigane, whole tone
2 velocity layers: 0–88 p; 89–127 f
Release samples
AB switch: up/down

13 VA_grace-zigane-3 Range: C3–D6 Samples: 158 RAM: 9 MB **Level 2**

Grace notes, zigane, minor 3rd
2 velocity layers: 0–88 p; 89–127 f
Release samples
AB switch: up/down

14 VA_grace-zigane-4 Range: C3–D6 Samples: 158 RAM: 9 MB **Level 2**

Grace notes, zigane, major 3rd
2 velocity layers: 0–88 p; 89–127 f
Release samples
AB switch: up/down



16 GLISSANDI

Level 1: Octave glissandos, up and down

Level 2: Glissandos on every string

01 VA_perf-gliss_C Range: C3–G#4 Samples: 241 RAM: 15 MB **Level 2**

Phrase performances: Glissando, C string
Monophonic
1 velocity layer
Release samples

02 VA_perf-gliss_G Range: G3–D#5 Samples: 243 RAM: 15 MB **Level 2**

Phrase performances: Glissando, G string
Monophonic
1 velocity layer
Release samples

03 VA_perf-gliss_D Range: D4–A5 Samples: 239 RAM: 14 MB **Level 2**

Phrase performances: Glissando, D string
Monophonic
1 velocity layer
Release samples

04 VA_perf-gliss_A Range: A4–G#6 Samples: 293 RAM: 18 MB **Level 2**

Phrase performances: Glissando, A string

Monophonic
1 velocity layer
Release samples

05 VA_octav-gliss**Range: C3–G6 Samples: 34 RAM: 2 MB****Level 1**

Phrases: Octave glissando

Please note that upward glissandos can be played to an octave below the upper play range, downward glissandos to an octave above the lower play range.

1 velocity layer,

AB switch: up/down

98 RESOURCES**Level 2:** Isolated dynamics repetitions, single layer long notes, interval performance speed variations.**01 Perf Rep dyn****Range: C3–G#6****01_VA_rep_cre5_leg-sl-1 (2/3/4/5)****Samples: 22 RAM: 1 MB****Level 2**

Extracted repetitions: Legato slow, crescendo, 1st to 5th note

1 velocity layer

01_VA_rep_dim5_leg-sl-1 (2/3/4/5)**Samples: 22 RAM: 1 MB****Level 2**

Extracted repetitions: Legato slow, diminuendo, 1st to 5th note

1 velocity layer

02_VA_rep_cre5_leg-fa-1 (2/3/4/5)**Samples: 22 RAM: 1 MB****Level 2**

Extracted repetitions: Legato fast, crescendo, 1st to 5th note

1 velocity layer

02_VA_rep_dim5_leg-fa-1 (2/3/4/5)**Samples: 22 RAM: 1 MB****Level 2**

Extracted repetitions: Legato fast, diminuendo, 1st to 5th note

1 velocity layer

03_VA_rep_cre9_por-1 (2/3/4/5/6/7/8/9)**Samples: 22 RAM: 1 MB****Level 2**

Extracted repetitions: Portato, crescendo, 1st to 9th note

1 velocity layer

03_VA_rep_dim9_por-1 (2/3/4/5/6/7/8/9)**Samples: 22 RAM: 1 MB****Level 2**

Extracted repetitions: Portato, diminuendo, 1st to 9th note

1 velocity layer

04_VA_rep_cre9_sta-1 (2/3/4/5/6/7/8/9)**Samples: 22 RAM: 1 MB****Level 2**

Extracted repetitions: Staccato, crescendo, 1st to 9th note

1 velocity layer

04_VA_rep_dim9_sta-1 (2/3/4/5/6/7/8/9)**Samples: 22 RAM: 1 MB****Level 2**

Extracted repetitions: Staccato, diminuendo, 1st to 9th note

1 velocity layer

05_VA_rep_cre9_spi-1 (2/3/4/5/6/7/8/9)**Samples: 22 RAM: 1 MB****Level 2**

Extracted repetitions: Spiccato, crescendo, 1st to 9th note

1 velocity layer

05_VA_rep_dim9_spi-1 (2/3/4/5/6/7/8/9) Samples: 22 RAM: 1 MB Level 2

Extracted repetitions: Spiccato, diminuendo, 1st to 9th note
1 velocity layer

06_VA_rep_cre9_harsh-1 (2/3/4/5/6/7/8/9) Samples: 22 RAM: 1 MB Level 2

Extracted repetitions: Harsh, crescendo, 1st to 9th note
1 velocity layer

06_VA_rep_dim9_harsh-1 (2/3/4/5/6/7/8/9) Samples: 22 RAM: 1 MB Level 2

Extracted repetitions: Harsh, diminuendo, 1st to 9th note
1 velocity layer



02 Long Notes - Single Layer

Range: C3-A6

01 VA_sus_Vib-pp Samples: 128 RAM: 8 MB Level 2

Sustained, vibrato, pp
1 velocity layer
Release samples

02 VA_sus_Vib-mp Samples: 129 RAM: 8 MB Level 2

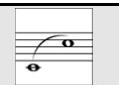
Sustained, vibrato, mp
1 velocity layer
Release samples

03 VA_sus_Vib-f Samples: 172 RAM: 10 MB Level 2

Sustained, vibrato, f
1 velocity layer
Release samples

04 VA_sus_Vib-ff Samples: 215 RAM: 13 MB Level 2

Sustained, vibrato, fortissimo
1 velocity layer
Release samples



03 Perf Speed variation

Range: C3-D6

01 VA_perf-legato_me Samples: 1063 RAM: 66 MB Level 2

Interval performances: Legato, medium speed
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

11 VA_stac-spic Range: C3-A6 Samples: 174 RAM: 10 MB Level 2

Single notes: Staccato/spiccato
2 velocity layers: 0–88 pp; 89–127 f

99 RELEASE TRIGGER

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments matrix – you will not be able to hear anything when you try to play them.

Matrices

Matrix - LEVEL 1

L1 VA Articulation Combi

Samples: 3190 RAM: 199 MB Level 1

Single note articulations: Normal, ponticello, artificial harmonics, glissandos, pizzicato

Matrix switches: Horizontal: Keyswitches, C1–A1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1
V1	stac	sus	fp	trem	trill half	pon.stac	pon.trem	harm.stac	med.gloss	pizz.
V2	dét. short	marc	sfz	trem auto	trill whole	pon.sus	pon.trem auto	harm.sus	fast gloss	snap pizz.

L1 VA Perf-Legato Speed + porta

Samples: 2277 RAM: 142 MB Level 1

Interval performances: Legato slow and fast, portamento

Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones Vertical: Modwheel, 2 zones

	H1	H2
V1	legato slow	legato fast
V2	portamento	legato fast

L1 VA Perf-Repetitions Combi

Samples: 1518 RAM: 94 MB Level 1

Repetition performances: Slow legato, staccato, spiccato

Matrix switches: Vertical: Modwheel, 3 zones

	repetitions
V1	legato
V2	staccato
V3	spiccato

Matrix - LEVEL 2 A - Advanced

01 VA Perf-Universal

Samples: 4700 RAM: 293 MB Level 2

Interval performances: Legato, marcato, spiccato; slow and fast

Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 4 zones Vertical: Modwheel, 3 zones

	H1	H2	H3	H4
legato	slow	slow	fast	fast
marcato	slow	slow	fast	fast
spiccato	stac/spic	stac/spic	slow	fast

02 VA Perf-Legato - All

Samples: 3474 RAM: 217 MB Level 2

Interval performances: Legato straight, on one string, zigane, progressive vibrato, portamento

Monophonic

Matrix switches: Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1
legato	normal	one string	zigane	prog.vibrato
portamento	%	%	%	%

03 VA Perf-Trill Speed

Multi interval performances: Legato and trills
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
V1	legato	trills

Samples: 3374 RAM: 210 MB **Level 2**

04 VA Perf-Trill Speed - Combi

Multi interval performances: Legato, zigane, portamento, trills
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

Vertical: Modwheel, 3 zones

	H1	H2
V1	legato	trills
V2	zigane	trills
V3	portamento	trills

05 VA Short+Long notes - All

Staccato, détaché short and long, sustained
Vibrato variations

Matrix switches: Horizontal: Keyswitches, C1–D#1

Vertical: Modwheel, 5 zones

	C1	C#1	D1	D#1
V1	staccato	détaché short	détaché long	sustained vibrato
V2	%	%	%	no vibrato
V3	%	%	%	prog. vibrato
V4	%	%	%	marcato
V5	%	%	%	vib. down

06 VA Perf-Harsh - Combi

Sustained, vibrato variations, ponticello; all with harsh attack
Cell crossfade for vibrato/no vibrato sustain

Matrix switches: Horizontal: Keyswitches, C1–D#1

Samples: 1242 RAM: 77 MB **Level 2**

	C1	C#1	D1	D#1
V1	sus-vib./no vib.	sus-progr.vib.	ponticello	harsh

Matrix - LEVEL 2 B - Standard**11 VA Perf-Legato Speed**

Interval performances: Legato slow and fast
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 3 zones

Samples: 1618 RAM: 101 MB **Level 2**

	H1	H2	H3
legato	slow	medium	fast

12 VA Perf-Marcato Speed

Interval performances: Marcato slow and fast
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

Samples: 1670 RAM: 104 MB **Level 2**

	H1	H2
marcato	slow	fast

13 VA Perf-Spiccato Speed**Samples: 1574 RAM: 98 MB****Level 2**

Interval performances: Staccato/spiccato, performance spiccato slow and fast

Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 3 zones

	H1	H2	H3
spiccato	stac/spic	slow	fast
	C1	C#1	D1
short notes	staccato	détaché short	détaché long

14 VA Short notes - All**Samples: 1142 RAM: 71 MB****Level 2**

Staccato, détaché short, détaché long

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
short notes	staccato	détaché short	détaché long
	C1	C#1	D1
short notes	staccato	détaché short	détaché long

15 VA Long notes - All**Samples: 1126 RAM: 70 MB****Level 2**

Sustained with vibrato, marcato, espressivo, progressive, fading, and no vibrato

Matrix switches: Horizontal: Keyswitches, C1–F1

	C1	C#1	D1	D#1	E1	F1
sustained	vibrato	marcato	espressivo	progr. vibrato	fading vibrato	no vibrato
	C1	C#1	D1	D#1	E1	F1
sustained	vibrato	marcato	espressivo	progr. vibrato	fading vibrato	no vibrato

16 VA Dynamics - Small**Samples: 585 RAM: 36 MB****Level 2**

Medium dynamics: Crescendo/diminuendo with vibrato 1.5, 3, 4 sec., fortepiano, sforzato, sforzatissimo

Matrix switches: Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 4 zones

	C1	C#1	D1
medium dyn. vib.	1.5 sec.	3 sec.	4 sec.
fp	%	%	%
sfz	%	%	%
sffz	%	%	%

17 VA Dynamics - All**Samples: 1222 RAM: 76 MB****Level 2**

Dynamics: Crescendo/diminuendo medium with and without vibrato, strong with vibrato, cresc-dim 2 and 4 sec., fortepiano, sforzato, sforzatissimo

Matrix switches: Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 5 zones

	C1	C#1	D1
medium dyn. vib.	1.5sec.	3sec.	3sec.
strong dyn. vib.	1.5sec.	3sec.	4sec.
med.dyn. no vib.	1.5sec.	3sec.	3sec.
special dyn.	pfp 2sec.	pfp 4sec.	pfp 4sec.
special dyn.	fp	sfz	sffz

18 VA Tremolo - All**Samples: 506 RAM: 31 MB****Level 2**

Tremolo: sustained, sustained with attack automation, dynamics 1.5 and 3 sec.

Matrix switches: Horizontal: Keyswitches, C1–D#1

	C1	C#1	D1	D#1
tremolo	sustained	auto attack	dyn. 1.5sec.	dyn. 3sec.
	C1	C#1	D1	D#1
tremolo	sustained	auto attack	dyn. 1.5sec.	dyn. 3sec.

19 VA Trills - normal**Samples: 192****RAM: 12 MB****Level 2**

Trills: normal and dynamics, half and whole tone

Matrix switches: Horizontal: Keyswitches, C1–C#1

Vertical: Modwheel, 2 zones

	C1	C#1
half tone	normal	dynamics
whole tone	normal	dynamics

20 VA Trills - accelerando**Samples: 228****RAM: 14 MB****Level 2**

Trills accelerando: normal and dynamics, half and whole tone

Matrix switches: Horizontal: Keyswitches, C1–C#1

Vertical: Modwheel, 2 zones

	C1	C#1
half tone	normal	dynamics
whole tone	normal	dynamics

21 VA Trills - All**Samples: 420****RAM: 26 MB****Level 2**

Trills: constant speed and accelerando, normal and dynamics, half and whole tone

Matrix switches: Horizontal: Keyswitches, C1–D#1

Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1
half tone	normal	dynamics	accelerando	acc. dynamics
whole tone	normal	dynamics	accelerando	acc. dynamics

22 VA Pizzicato + Legno - All**Samples: 440****RAM: 27 MB****Level 2**

Pizzicato normal and snap

Col legno

Matrix switches: Horizontal: Keyswitches, C1–C#1

Vertical: Modwheel, 2 zones

	C1	C#1
V1	pizzicato normal	col legno
V2	pizz. snap	col legno

23 VA Harmonics artificial - All**Samples: 127****RAM: 7 MB****Level 2**

Artificial harmonics: Staccato, sustained, repetition performances

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
harmonics artificial	staccato	sustained	perf. repetition

24 VA Harmonics natural - All**Samples: 344****RAM: 21 MB****Level 2**

Natural harmonics: Sustained, repetition performances, glissando

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
harmonics natural	sustained	perf. repetition	glissando

25 VA Ponticello - All**Samples: 1550****RAM: 96 MB****Level 2**

Ponticello: Staccato, détaché, sustained, sforzato, sforzatissimo, tremolo

Legato repetitions normal/dynamics

Matrix switches: Horizontal: Keyswitches, C1–E1

Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1
V1	staccato	sustained	sfz	tremolo	perf.rep legato
V2	détaché	sus. auto attack	sffz	trem. auto attack	perf.rep legato dyn.

26 VA Ponticello XF - All**Samples: 4036 RAM: 252 MB Level 2**

Ponticello and normal: Staccato, détaché, sustained, sforzato, sforzatissimo, tremolo

Legato repetitions normal/dynamics

Cell crossfade ponticello/normal

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1
V1	staccato	sustained	sfz	tremolo	perf.rep legato
V2	détaché	sus. auto attack	sffz	trem. auto attack	perf.rep legato dyn.

27 VA Tasto - All**Samples: 1189 RAM: 74 MB Level 2**

Sul tasto: Staccato, détaché, sustained, sforzato, tremolo

Matrix switches: Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1
V1	staccato	sustained	sfz	tremolo
V2	détaché	sus. auto attack	sfz	trem. auto attack

28 VA Tasto XF - All**Samples: 3125 RAM: 195 MB Level 2**

Sul tasto and normal: Staccato, détaché, sustained, sforzato, tremolo

Cell crossfade tasto/normal

Matrix switches: Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1
V1	staccato	sustained	sfz	tremolo
V2	détaché	sus. auto attack	sfz	trem. auto attack

29 VA Glissando - All**Samples: 835 RAM: 52 MB Level 2**

Single string performance glissandos

Octave glissandos

Monophonic

Matrix switches: Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1
perf.gloss	C	G	D	A
octave gloss	%	%	%	%

Matrix - LEVEL 2 C - Repetitions**31 VA Perf-Repetitions - Combi****Samples: 2310 RAM: 144 MB Level 2**

Repetition performances: Legato, portato, staccato, spiccato, harsh

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
repetitions	legato	portato	staccato	spiccato	harsh

32 VA Perf-Repetitions - Speed**Samples: 2112 RAM: 132 MB Level 2**

Repetition performances: Legato, portato, staccato, spiccato

Speed controller

Matrix switches: Horizontal: Speed, 4 zones

	H1	H2	H3	H4
repetitions	legato	portato	staccato	spiccato

33 VA Fast-Repetitions

Fast repetitions: 150, 160, 170, 180, 190 BPM

Samples: 396 RAM: 24 MB**Level 2****Matrix switches:** Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
speed/BPM	150	160	170	180	190

34 VA Ricochet-Repetitions - All

Ricochet repetitions: 150, 160, 170, 180, 190, 210 BPM

3 upbeats, accelerando, ritardando

Samples: 220 RAM: 13 MB**Level 2****Matrix switches:** Horizontal: Keyswitches, C1–F1

Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1
speed/BPM	150	160	170	180	190	210
3 repetitions	%	%	%	%	%	%
accelerando	%	%	%	%	%	%
ritardando	%	%	%	%	%	%

Matrix - LEVEL 2 D - Phrases**41 VA Grace notes****Samples: 254 RAM: 15 MB****Level 2**

Grace notes: Half and whole tone

Mapped to target note

Monophonic

AB switch: up/down

Matrix switches: Vertical: Modwheel, 2 zones

	grace notes
V1	half tone
V2	whole tone

42 VA Grace notes - zigane**Samples: 382 RAM: 23 MB****Level 2**

Grace notes, zigane (gipsy): Minor 2nd to major 3rd

Mapped to target note

AB switch: up/down

Matrix switches: Horizontal: Keyswitches, C1–D#1

	C1	C#1	D1	D#1
interval	min.2nd	maj.2nd	min.3rd	maj.3rd

Matrix - LEVEL 2 E - Keyswitch Vel**61 VA Legato slow - cre5****Samples: 110 RAM: 6 MB****Level 2**

Legato notes 1 sec.: Crescendo, keyswitch velocity

Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

62 VA Legato fast - cre5**Samples: 110 RAM: 6 MB****Level 2**

Fast legato notes: Crescendo, keyswitch velocity

Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

63 VA Portato - cre9**Samples: 198 RAM: 12 MB****Level 2**

Portato notes: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

64 VA Staccato - cre9**Samples: 198 RAM: 12 MB****Level 2**

Staccato notes: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

65 VA Spiccato - cre9**Samples: 198 RAM: 12 MB****Level 2**

Spiccato notes: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

66 VA Harsh - cre9**Samples: 198 RAM: 12 MB****Level 2**

Harsh notes: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

67 VA Combi - cre5**Samples: 220 RAM: 13 MB****Level 2**

Slow/fast legato: Crescendo, keyswitch velocity

Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1
legato slow	1st	2nd	3rd	4th	5th
legato fast	1st	%	%	%	%

68 VA Combi - cre9

Samples: 792 RAM: 49 MB Level 2

Portato, staccato, spiccato, harsh: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%
spiccato	1st	%	%	%	%	%	%	%	%
harsh	1st	%	%	%	%	%	%	%	%

71 VA Legato slow - dim5

Samples: 110 RAM: 6 MB Level 2

Legato notes 1 sec.: Diminuendo, keyswitch velocity

Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

72 VA Legato fast - dim5

Samples: 110 RAM: 6 MB Level 2

Fast legato notes: Diminuendo, keyswitch velocity

Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

73 VA Portato - dim9

Samples: 198 RAM: 12 MB Level 2

Portato notes: Diminuendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

74 VA Staccato - dim9

Samples: 198 RAM: 12 MB Level 2

Staccato notes: Diminuendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

75 VA Spiccato - dim9

Samples: 198 RAM: 12 MB Level 2

Spiccato notes: Diminuendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

76 VA Harsh - dim9

Samples: 198 RAM: 12 MB Level 2

Harsh notes: Diminuendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

77 VA Combi - dim5

Samples: 220 RAM: 13 MB Level 2

Slow/fast legato: Diminuendo, keyswitch velocity

Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1
legato slow	1st	2nd	3rd	4th	5th
legato fast	1st	%	%	%	%

78 VA Combi - dim9

Samples: 792 RAM: 49 MB Level 2

Portato, staccato, spiccato, harsh: Diminuendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%
spiccato	1st	%	%	%	%	%	%	%	%
harsh	1st	%	%	%	%	%	%	%	%

Presets**VA VSL Preset Level 1**

Samples: 6863 RAM: 428 MB Level 1

L1 VA Perf-Legato Speed + porta

L1 VA Articulation Combi

L1 VA Perf-Repetitions Combi

VA VSL Preset Level 2

Samples: 12784 RAM: 799 MB Level 2

01 VA Perf-Universal

02 VA Perf-Legato - All

L1 VA Articulation Combi

31 VA Perf-Repetitions - Combi

68 VA Combi - cre9

06 VA Perf-Harsh - Combi

03 Cello solo

Description

The cello is the tenor and bass instrument of the violin family.

In the 19th century the cello advanced along with the violin to become the most important bowed instrument for solo works.

The modern symphony orchestra usually uses 8 (in large orchestras 10) cellos.

Range and notation

The cello has a range from C2–A5 (harmonic A7).

It is a non-transposing instrument notated mainly in bass clef. Because of its huge range tenor and treble clef are also used.

Sound characteristics

Mellow, warm, sonorous, full, clear, brilliant, vibrant, singing, bright, lustrous, stately, lyrical, cantabile, thick, weighty, powerful, silky, lively, incisive, eloquent, transcendental, supernatural, sensuous, calm, round, pure, muffled, dark, open, sustaining, solemn, wafting, gentle, sweet, veiled.

The cello possesses a wide variety of differing tonal colors and means of expression, ranging from the calm and solemn in the lower register to bursts of passion in the uppermost register. It is something of a split personality: on the one hand it plays the part of the solid, reliable bass instrument; on the other hand it aspires to the passion of a heroic tenor.

Combination with other instruments

The cello has a particularly good blend with all other instruments in the orchestra.

Its tasks range from performing the bass part to expansive melody lines in the tenor register. Cellos playing in octaves with double basses is a “classic” combination.

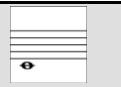
Woodwinds provide the strings with more volume and power, while the strings make the woodwinds more mellow. Oboe and bassoon accentuate the bright and clear properties of the cello’s sound, while the clarinet makes the cello sound more mellow.

The blend with the brass instruments is strongly influenced by the playing technique employed by the strings (pizzicato, col legno). The combination of cellos and horns played softly is particularly pleasing.

Patches

01 SHORT + LONG NOTES

Range: C2–G6



Level 1: Staccato, short détaché, sustained with vibrato, marcato

Level 2: Long détaché, sustained with progressive, fading, and without vibrato, espressivo

01 VC_staccato

Samples: 424 RAM: 26 MB Level 1

Staccato

4 velocity layers: 0–55 p; 56–88 mf; 89–108 f; 109–127 ff

4 Alternations

02 VC_detache_short

Samples: 424 RAM: 26 MB Level 1

Short détaché

4 velocity layers: 0–55 pp; 56–88 mp; 89–108 mf; 109–127 f

4 Alternations

03 VC_detache_long

Samples: 424 RAM: 26 MB Level 2

Long détaché

4 velocity layers: 0–55 p; 56–88 mf; 89–108 f; 109–127 ff

4 Alternations

10 VC_sus_Vib

Samples: 793 RAM: 49 MB Level 1

Sustained, vibrato

4 velocity layers: 0–55 pp; 56–88 mp; 89–108 f; 109–127 ff

Release samples

11 VC_sus_Vib_fA

Samples: 424 RAM: 26 MB Level 2

Sustained, vibrato

Optimized attack for legato

4 velocity layers: 0–55 pp; 56–88 mp; 89–108 f; 109–127 ff

Release samples

12 VC_sus_Vib_fA_auto

Samples: 636 RAM: 39 MB Level 2

Sustained, vibrato

Attack automation

Monophonic

4 velocity layers: 0–55 pp; 56–88 mp; 89–108 f; 109–127 ff

Release samples

13 VC_sus_Vib-marc

Samples: 106 RAM: 6 MB Level 1

Sustained, vibrato, forte, marcato

1 velocity layer

Release samples

14 VC_sus_Vib-espr

Samples: 212 RAM: 13 MB Level 2

Sustained (4 sec.), vibrato, forte, espressivo

1 velocity layer

Release samples

15 VC_sus_Vib-progr

Sustained, progressive vibrato

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

Release samples

Samples: 315**RAM: 19 MB****Level 2****16 VC_sus_Vib-down**

Sustained, diminishing vibrato

2 velocity layers: 0–88 mf; 89–127 f

Samples: 83**RAM: 5 MB****Level 2****17 VC_sus_noVib**

Sustained, no vibrato

3 velocity layers: 0–55 pp; 56–108 mf; 109–127 f

Release samples

Samples: 477**RAM: 29 MB****Level 2****02 DYNAMICS****Range: C2–G6****Level 1:** Fortepiano and sforzato**Level 2:** Medium crescendo and diminuendo with and without vibrato (1.5 and 3 sec.), strong crescendo and diminuendo with vibrato (1.5, 3, and 4 sec.), crescendo-diminuendo (2 and 4 sec.), and sforzatissimo**01 VC_dyn-me_Vib_1'5s****Samples: 212****RAM: 13 MB****Level 2**

Medium dynamics, 1.5 sec., vibrato

2 velocity layers: 0–88 p–mf/mf–p; 89–127 mf–ff/ff–mf

AB switch: crescendo/diminuendo

02 VC_dyn-me_Vib_3s**Samples: 212****RAM: 13 MB****Level 2**

Medium dynamics, 3 sec., vibrato

2 velocity layers: 0–88 pp–mf/mf–pp; 89–127 mf–ff/ff–mf

AB switch: crescendo/diminuendo

03 VC_dyn-str_Vib_1'5s**Samples: 106****RAM: 6 MB****Level 2**

Strong dynamics, 1.5 sec., vibrato

1 velocity layer

AB switch: crescendo/diminuendo

04 VC_dyn-str_Vib_3s**Samples: 106****RAM: 6 MB****Level 2**

Strong dynamics, 3 sec., vibrato

1 velocity layer

AB switch: crescendo/diminuendo

05 VC_dyn-str_Vib_4s**Samples: 78****RAM: 4 MB****Level 2**

Strong dynamics, 4 sec., vibrato

1 velocity layer

AB switch: crescendo/diminuendo

06 VC_dyn-me_noVib_1'5s**Samples: 108****RAM: 6 MB****Level 2**

Medium dynamics, 1.5 sec., no vibrato

2 velocity layers: 0–88 p; 89–127 f

AB switch: crescendo/diminuendo

07 VC_dyn-me_noVib_3s Medium dynamics, 3 sec., no vibrato 2 velocity layers: 0–88 p; 89–127 f AB switch: crescendo/diminuendo	Samples: 108 RAM: 6 MB Level 2
08 VC_pfp_Vib_2s Crescendo-diminuendo, 2 sec., vibrato 2 velocity layers: 0–88 p–mf; 89–127 mf–f	Samples: 54 RAM: 3 MB Level 2
09 VC_pfp_Vib_4s Crescendo-diminuendo, 4 sec., vibrato 2 velocity layers: 0–88 p–mf; 89–127 mf–f	Samples: 54 RAM: 3 MB Level 2
10 VC_fp_Vib Fortepiano, vibrato 1 velocity layer	Samples: 53 RAM: 3 MB Level 1
11 VC_sfz_Vib Sforzato, vibrato 1 velocity layer	Samples: 53 RAM: 3 MB Level 1
12 VC_sffz_Vib Sforzatissimo, vibrato 1 velocity layer	Samples: 53 RAM: 3 MB Level 2

03 TREMOLO + TRILLS Range: C2–G6



01 VC_trem_sus Tremolo sustained 3 velocity layers: 0–55 p; 56–108 mf; 109–127 ff Release samples	Samples: 318 RAM: 19 MB Level 1
02 VC_trem_sus_fA Tremolo sustained Optimized attack for legato 3 velocity layers: 0–55 p; 56–108 mf; 109–127 ff Release samples	Samples: 318 RAM: 19 MB Level 2
03 VC_trem_sus_fA_auto Tremolo sustained Attack automation Monophonic 3 velocity layers: 0–55 p; 56–108 mf; 109–127 ff Release samples	Samples: 477 RAM: 29 MB Level 1

04 VC_trem_dyn_1'5s	Samples: 106	RAM: 6 MB	Level 2
Tremolo dynamics, 1.5 sec. 1 velocity layer AB switch: crescendo/diminuendo			
05 VC_trem_dyn_3s	Samples: 106	RAM: 6 MB	Level 2
Tremolo dynamics, 3 sec. 1 velocity layer AB switch: crescendo/diminuendo			
10 VC_trill_1	Range: C2-A#5	Samples: 156	RAM: 9 MB
Trills: Half tone 2 velocity layers: 0–88 p; 89–127 f Release samples			Level 1
11 VC_trill_2	Range: C2-A#5	Samples: 156	RAM: 9 MB
Trills: Whole tone 2 velocity layers: 0–88 p; 89–127 f Release samples			Level 1
12 VC_trill_1_dyn	Range: C2-A#5	Samples: 52	RAM: 3 MB
Trills: Half tone, dynamics 1 velocity layer AB switch: crescendo/diminuendo			Level 2
13 VC_trill_2_dyn	Range: C2-A#5	Samples: 52	RAM: 3 MB
Trills: Whole tone, dynamics 1 velocity layer AB switch: crescendo/diminuendo			Level 2
14 VC_trill-acc_1	Range: C2-A#5	Samples: 88	RAM: 5 MB
Trills: Accelerando, half tone 2 velocity layers: 0–88 p; 89–127 f Release samples			Level 2
15 VC_trill-acc_2	Range: C2-A#5	Samples: 88	RAM: 5 MB
Trills: Accelerando, whole tone 2 velocity layers: 0–88 p; 89–127 f Release samples			Level 2
16 VC_trill-acc_1_dyn	Range: C2-A#5	Samples: 44	RAM: 2 MB
Trills: Accelerando, half tone, dynamics 1 velocity layer AB switch: crescendo/diminuendo			Level 2
17 VC_trill-acc_2_dyn	Range: C2-A#5	Samples: 44	RAM: 2 MB
Trills: Accelerando, whole tone, dynamics 1 velocity layer AB switch: crescendo/diminuendo			Level 2

**04 PIZZ + LEGNO****Range: C2–G6****Level 1:** Pizzicato normal and snap (Bartók)**Level 2:** Pizzicato secco, col legno**01 VC_pizz****Samples: 312 RAM: 19 MB Level 1**

Pizzicato

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

4 Alternations

02 VC_pizz_secco**Samples: 318 RAM: 19 MB Level 2**

Pizzicato secco

3 velocity layers: 0–55 p; 56–108 mf; 109–127 ff

4 Alternations

03 VC_pizz_snap**Samples: 106 RAM: 6 MB Level 1**

Snap pizzicato

1 velocity layer

4 Alternations

04 VC_col-legno**Samples: 212 RAM: 13 MB Level 2**

Col legno

2 velocity layers: 0–88 p; 89–127 f

4 Alternations

05 HARMONICS**Range: C3–G6****Level 1:** Artificial harmonics staccato, sustained**Level 2:** Artificial harmonics repetition performances; natural harmonics sustained, repetition performances, glissando

Harmonics patches are mapped an octave lower than they sound.

01 VC_harm-art_stac**Samples: 42 RAM: 2 MB Level 1**

Artificial harmonics: Staccato

1 velocity layer

2 Alternations

02 VC_harm-art_sus**Samples: 84 RAM: 5 MB Level 1**

Artificial harmonics: Sustained

2 velocity layers: 0–88 p; 89–127 f

Release samples

03 VC_harm-art_perfrep**Samples: 105 RAM: 6 MB Level 2**

Artificial harmonics: Repetition performances

1 velocity layer

11 VC_harm-nat_sus**Range: C3–A#6 Samples: 128 RAM: 8 MB****Level 2**

Natural harmonics: Sustained notes on every string, from fundamental to 7th harmonic

2 velocity layers: 0–88 p; 89–127 f

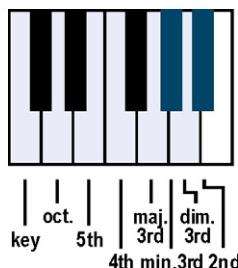
Release samples

Mapping:

C – key note; D – 1st (octave); E – 2nd (5th); F – 3rd (4th); G – 4th (maj. 3rd); G# – 5th (min.

3rd); A – 6th (dim. 3rd); A# – 7th (2nd)

C3–A#3: C string; C4–A#4: G string; C5–A#5: D string; C6–A#6: A string

**12 VC_harm-nat_perf-rep****Range: C3–A#6 Samples: 160 RAM: 10 MB****Level 2**

Natural harmonics: Repetition performances on every string, from fundamental to 7th harmonic

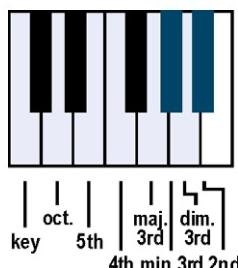
1 velocity layer

Mapping:

C – key note; D – 1st (octave); E – 2nd (5th); F – 3rd (4th); G – 4th (maj. 3rd); G# – 5th (min.

3rd); A – 6th (dim. 3rd); A# – 7th (2nd)

C3–A#3: C string; C4–A#4: G string; C5–A#5: D string; C6–A#6: A string

**13 VC_harm-nat_gliss****Range: C3–A#6 Samples: 56 RAM: 3 MB****Level 2**

Natural harmonics: Glissandos on every string, from fundamental to 1st, 2nd, etc. harmonic; reverse for downward glissandos

1 velocity layer

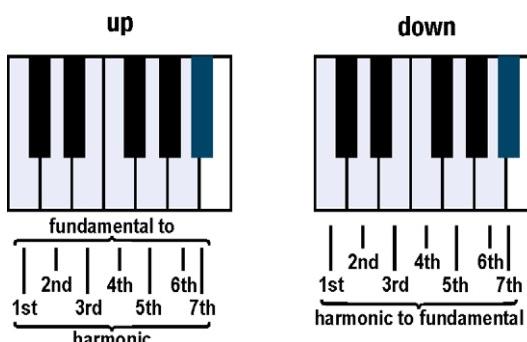
AB switch: up/down

Mapping:

C – key note to 1st (octave); D – to 2nd (+5th); E – to 3rd (+4th); F – to 4th (+maj 3rd); G – to

5th (+min. 3rd); A – to 6th (+dim. 3rd); A# – to 7th (+2nd)

C3–A#3: C string; C4–A#4: G string; C5–A#5: D string; C6–A#6: A string



**06 PONTICELLO****Range: C2–G6**

Ponticello – bowed near the bridge, giving a louder, brighter sound

Level 1: Staccato, sustained, tremolo**Level 2:** Détaché, sforzato, sforzatissimo, repetition performances normal and dynamics.**01 VC_pon_staccato****Range: C2–G#6 Samples: 228 RAM: 14 MB****Level 1**

Ponticello staccato

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

2 Alternations

02 VC_pon_detache**Samples: 230 RAM: 14 MB****Level 2**

Ponticello détaché

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

2 Alternations

03 VC_pon_sus**Samples: 228 RAM: 14 MB****Level 1**

Ponticello sustained

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

Release samples

04 VC_pon_sus_fa**Samples: 228 RAM: 14 MB****Level 2**

Ponticello sustained

Optimized attack for legato

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

Release samples

05 VC_pon_sus_fa_auto**Samples: 342 RAM: 21 MB****Level 2**

Ponticello sustained

Attack automation

Monophonic

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

Release samples

06 VC_pon_sfz**Samples: 38 RAM: 2 MB****Level 2**

Ponticello sforzato

1 velocity layer

07 VC_pon_sffz**Samples: 38 RAM: 2 MB****Level 2**

Ponticello sforzatissimo

1 velocity layer

08 VC_pon_trem**Samples: 230 RAM: 14 MB****Level 1**

Ponticello tremolo

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

Release samples

09 VC_pon_trem_fa**Samples: 230 RAM: 14 MB****Level 2**

Ponticello tremolo

Optimized attack for legato

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

Release samples

10 VC_pon_trem_fA_auto	Samples: 345 RAM: 21 MB Level 1
Ponticello tremolo Attack automation Monophonic 3 velocity layers: 0–55 p; 56–108 mf; 109–127 f Release samples	
11 VC_pon_perf-rep_leg	Samples: 270 RAM: 16 MB Level 2
Repetition performances: Ponticello legato 2 velocity layers: 0–88 p; 89–127 f	
12 VC_pon_perf-rep_dyn_leg	Range: C2–E6 Samples: 270 RAM: 16 MB Level 2
Repetition performances: Ponticello legato, dynamics 5 repetitions 1 velocity layer AB switch: crescendo/diminuendo	
<hr/>	
07 TASTO	Range: C2–G6
Sul tasto or flautando – bowed near the fingerboard, resulting in a softer, muffled sound	
Level 2:	Staccato, détaché, sustained, sforzato, tremolo.
<hr/>	
01 VC_tas_staccato	Samples: 240 RAM: 15 MB Level 2
Sul tasto staccato 3 velocity layers: 0–55 p; 56–108 mf; 109–127 f 2 Alternations	
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02 VC_tas_detache	Range: C2–E6 Samples: 240 RAM: 15 MB Level 2
Sul tasto détaché 3 velocity layers: 0–55 ppp; 56–108 pp; 109–127 p 2 Alternations	
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03 VC_tas_sus	Samples: 240 RAM: 15 MB Level 2
Sul tasto sustained 3 velocity layers: 0–55 ppp; 56–108 pp; 109–127 p Release samples	
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04 VC_tas_sus_fA	Samples: 240 RAM: 15 MB Level 2
Sul tasto sustained Optimized attack for legato 3 velocity layers: 0–55 ppp; 56–108 pp; 109–127 p Release samples	
<hr/>	
05 VC_tas_sus_fA_auto	Samples: 360 RAM: 22 MB Level 2
Sul tasto sustained Attack automation Monophonic 3 velocity layers: 0–55 ppp; 56–108 pp; 109–127 p Release samples	
<hr/>	
06 VC_tas_sfz	Samples: 39 RAM: 2 MB Level 2
Sul tasto sforzato	

1 velocity layer

07 VC_tas_trem	Samples: 228	RAM: 14 MB	Level 2
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Sul tasto tremolo

3 velocity layers: 0–55 ppp; 56–108 pp; 109–127 mf

Release samples

08 VC_tas_trem_fA	Samples: 228	RAM: 14 MB	Level 2
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Sul tasto tremolo

Optimized attack for legato

3 velocity layers: 0–55 ppp; 56–108 pp; 109–127 mf

Release samples

09 VC_tas_trem_fA_auto	Samples: 342	RAM: 21 MB	Level 2
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Sul tasto tremolo

Attack automation

Monophonic

3 velocity layers: 0–55 ppp; 56–108 pp; 109–127 mf

Release samples

10 PERF INTERVAL	Range: C2–A#5	
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Level 1: Legato, portamento

Level 2: Legato on the same string, with progressive vibrato, zigane (gipsy), marcato, and spiccato

01 VC_perf-legato	Range: C2–A5	Samples: 1134	RAM: 70 MB	Level 1
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Legato

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

02 VC_perf-legato_sul	Samples: 1151	RAM: 71 MB	Level 2
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Legato on the same string

Monophonic

2 velocity layers: 0–88 mp; 89–127 f

Release samples

03 VC_perf-legato_Vib-prog	Samples: 583	RAM: 36 MB	Level 2
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Legato, forte, progressive vibrato

Monophonic

1 velocity layer

Release samples

04 VC_perf-legato_zigane	Range: C2–G#5	Samples: 723	RAM: 45 MB	Level 2
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Zigane (gipsy)

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

05 VC_perf-portamento

Portamento

Monophonic

2 velocity layers: 0–88 mp; 89–127 f

Release samples

Samples: 1150 RAM: 71 MB

Level 1

06 VC_perf-marcato

Marcato

Monophonic

2 velocity layers: 0–88 mp; 89–127 f

Release samples

Samples: 1219 RAM: 76 MB

Level 2

07 VC_perf-spiccato

Samples: 1320 RAM: 82 MB

Level 2

Spiccato

Monophonic

2 velocity layers: 0–88 mp; 89–127 f

**11 PERF INTERVAL FAST**

Range: C2–A5

Level 1: Legato**Level 2:** Marcato, spiccato, and harsh**01 VC_perf-legato_fa**

Samples: 1726 RAM: 107 MB

Level 1

Legato, fast

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

02 VC_perf-marcato_fa

Samples: 1868 RAM: 116 MB

Level 2

Marcato, fast

Monophonic

2 velocity layers: 0–88 mp; 89–127 f

Release samples

03 VC_perf-spiccato_fa

Range: C2–G5

Samples: 1400 RAM: 87 MB

Level 2

Spiccato, fast

Monophonic

2 velocity layers: 0–88 p; 89–127 f

04 VC_perf-harsh_fa

Range: C2–G5

Samples: 348 RAM: 21 MB

Level 2

Harsh, mezzoforte, fast

Monophonic

1 velocity layer

**12 PERF TRILL****Range: C2–D6****Level 2:** Trills, legato, minor 2nd to major 3rd**01 VC_perf-trill_leg****Samples: 3076 RAM: 192 MB Level 2**

Trills, legato

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

13 PERF REPETITION**Range: C2–F6****Level 1:** Legato slow, staccato, spiccato**Level 2:** Legato fast, bow vibrato, portato, and harsh; dynamics for all articulations**01 VC_perf-rep_leg-sl****Samples: 390 RAM: 24 MB Level 1**

Legato, slow

2 velocity layers: 0–88 p; 89–127 f

02 VC_perf-rep_leg-fa**Samples: 530 RAM: 33 MB Level 2**

Legato, fast

2 velocity layers: 0–88 p; 89–127 f

03 VC_perf-rep_bow**Samples: 270 RAM: 16 MB Level 2**

Bow vibrato

2 velocity layers: 0–88 p; 89–127 f

04 VC_perf-rep_por**Samples: 702 RAM: 43 MB Level 2**

Portato

2 velocity layers: 0–88 p; 89–127 f

05 VC_perf-rep_sta**Samples: 954 RAM: 59 MB Level 1**

Staccato

2 velocity layers: 0–88 p; 89–127 f

06 VC_perf-rep_spi**Samples: 729 RAM: 45 MB Level 1**

Spiccato

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

07 VC_perf-rep_harsh**Samples: 243 RAM: 15 MB Level 2**

Harsh, mezzoforte

1 velocity layer

AB switch: crescendo/diminuendo

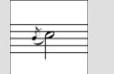
21 VC_perf-rep_dyn5_leg-sl
Legato dynamics, slow, 5 repetitions
1 velocity layer
AB switch: crescendo/diminuendo**Range: C2–G6 Samples: 390 RAM: 24 MB Level 2**

22 VC_perf-rep_dyn5_leg-fa Legato dynamics, fast, 5 repetitions 1 velocity layer AB switch: crescendo/diminuendo	Range: C2–G6	Samples: 530	RAM: 33 MB	Level 2
23 VC_perf-rep_dyn5_bow Bow vibrato dynamics, 5 repetitions 1 velocity layer AB switch: crescendo/diminuendo	Range: C2–G6	Samples: 270	RAM: 16 MB	Level 2
24 VC_perf-rep_dyn9_por Portato dynamics, 9 repetitions 1 velocity layer AB switch: crescendo/diminuendo	Range: C2–G6	Samples: 702	RAM: 43 MB	Level 2
25 VC_perf-rep_dyn9_sta Staccato dynamics, 9 repetitions 1 velocity layer AB switch: crescendo/diminuendo	Range: C2–G6	Samples: 954	RAM: 59 MB	Level 2
26 VC_perf-rep_dyn9_spi Spiccato dynamics, 9 repetitions 1 velocity layer AB switch: crescendo/diminuendo	Range: C2–E6	Samples: 486	RAM: 30 MB	Level 2
27 VC_perf-rep_dyn9_harsh Harsh dynamics, 9 repetitions 1 velocity layer AB switch: crescendo/diminuendo	Range: C2–E6	Samples: 486	RAM: 30 MB	Level 2

14 FAST REPETITION**Range: C2–F6**

Level 2: 9 repetitions, normal and dynamics, speeds from 140 to 180 BPM
 Ricochet – the bow is cast onto the string and rebounding: normal with 150 to 190 and 210 BPM, 3 quick repetitions, accelerando, ritardando

01 VC_fast-rep_140 (150/160/170/180) Staccato, 9 repetitions, 140, 150, 160, 170, 180 BPM 2 velocity layers: 0–88 p; 89–127 f Release samples	Samples: 212	RAM: 13 MB	Level 2
11 VC_fast-rep_140_dyn (150/160/170/180) Staccato dynamics, 9 repetitions, 140, 150, 160, 170, 180 BPM 1 velocity layer AB switch: crescendo/diminuendo	Samples: 106	RAM: 6 MB	Level 2
21 VC_ricochet_150 (160/170/180/190/210) Ricochet, 5 repetitions, 150, 160, 170, 180, 190, 210 BPM 1 velocity layer AB switch: crescendo/diminuendo	Samples: 54	RAM: 3 MB	Level 2

31 VC_ricochet_a3 Ricochet, 3 repetitions 1 velocity layer	Samples: 27	RAM: 1 MB	Level 2	
32 VC_ricochet_accel Ricochet accelerando 1 velocity layer	Samples: 27	RAM: 1 MB	Level 2	
33 VC_ricochet ritard Ricochet ritardando 1 velocity layer	Samples: 27	RAM: 1 MB	Level 2	
<hr/>				
15 GRACE NOTES				
Level 2: Grace notes, half and whole tone; zigane grace notes, minor 2nd to major 3rd.				
01 VC_grace_1 Grace notes, half tone 2 velocity layers: 0–88 p; 89–127 f Release samples AB switch: up/down	Range: C2–F#6	Samples: 210	RAM: 13 MB	Level 2
02 VC_grace_2 Grace notes, whole tone 2 velocity layers: 0–88 p; 89–127 f Release samples AB switch: up/down	Range: C2–G6	Samples: 210	RAM: 13 MB	Level 2
11 VC_grace-zigane-1 Grace notes, zigane, half tone 2 velocity layers: 0–88 p; 89–127 f Release samples AB switch: up/down	Range: C2–G5	Samples: 190	RAM: 11 MB	Level 2
12 VC_grace-zigane-2 Grace notes, zigane, whole tone 2 velocity layers: 0–88 p; 89–127 f Release samples AB switch: up/down	Range: C2–G5	Samples: 190	RAM: 11 MB	Level 2
13 VC_grace-zigane-3 Grace notes, zigane, minor 3rd 2 velocity layers: 0–88 p; 89–127 f Release samples AB switch: up/down	Range: C2–G5	Samples: 186	RAM: 11 MB	Level 2
14 VC_grace-zigane-4 Grace notes, zigane, major 3rd 2 velocity layers: 0–88 p; 89–127 f Release samples AB switch: up/down	Range: C2–G5	Samples: 186	RAM: 11 MB	Level 2



16 GLISSANDI

Level 1: Medium and fast octave glissandos, up and down

Level 2: Glissandos on every string

01 VC_perf-gliss_C

Range: C2–A3 Samples: 253 RAM: 15 MB

Level 2

Phrase performances: Glissando, C string

Monophonic

1 velocity layer

Release samples

02 VC_perf-gliss_G

Range: G2–E4 Samples: 253 RAM: 15 MB

Level 2

Phrase performances: Glissando, G string

Monophonic

1 velocity layer

Release samples

03 VC_perf-gliss_D

Range: D3–B4 Samples: 253 RAM: 15 MB

Level 2

Phrase performances: Glissando, D string

Monophonic

1 velocity layer

Release samples

04 VC_perf-gliss_A

Range: A3–A#5 Samples: 309 RAM: 19 MB

Level 2

Phrase performances: Glissando, A string

Monophonic

1 velocity layer

Release samples

05 VC_octav-gliss_me

Range: C2–A#5 Samples: 36 RAM: 2 MB

Level 1

Phrases: Octave glissando, medium

1 velocity layer

AB switch: up/down

06 VC_octav-gliss_fa

Range: C2–A#5 Samples: 32 RAM: 2 MB

Level 1

Phrases: Octave glissando, fast

1 velocity layer

AB switch: up/down

98 RESOURCES

Level 2: Isolated dynamics repetitions, single layer long notes, interval performance speed variations.

01 Perf Rep dyn

Range: C2–G6

01_VC_rep_cre5_leg-sl-1 (2/3/4/5)

Samples: 39 RAM: 2 MB

Level 2

Extracted repetitions: Legato slow, crescendo, 1st to 5th note

1 velocity layer

01_VC_rep_dim5_leg-sl-1 (2/3/4/5)

Samples: 39 RAM: 2 MB

Level 2

Extracted repetitions: Legato slow, diminuendo, 1st to 5th note

1 velocity layer

02_VC_rep_cre5_leg-fa-1 (2/3/4/5) Extracted repetitions: Legato fast, crescendo, 1st to 5th note 1 velocity layer	Samples: 53	RAM: 3 MB	Level 2	
02_VC_rep_dim5_leg-fa-1 (2/3/4/5) Extracted repetitions: Legato fast, diminuendo, 1st to 5th note 1 velocity layer	Samples: 53	RAM: 3 MB	Level 2	
03_VC_rep_cre9_por-1 (2/3/4/5/6/7/8/9) Extracted repetitions: Portato, crescendo, 1st to 9th note 1 velocity layer	Samples: 39	RAM: 2 MB	Level 2	
03_VC_rep_dim9_por-1 (2/3/4/5/6/7/8/9) Extracted repetitions: Portato, diminuendo, 1st to 9th note 1 velocity layer	Samples: 39	RAM: 2 MB	Level 2	
04_VC_rep_cre9_sta-1 (2/3/4/5/6/7/8/9) Extracted repetitions: Staccato, crescendo, 1st to 9th note 1 velocity layer	Samples: 53	RAM: 3 MB	Level 2	
04_VC_rep_dim9_sta-1 (2/3/4/5/6/7/8/9) Extracted repetitions: Staccato, diminuendo, 1st to 9th note 1 velocity layer	Samples: 53	RAM: 3 MB	Level 2	
05_VC_rep_cre9_spi-1 (2/3/4/5/6/7/8/9) Extracted repetitions: Spiccato, crescendo, 1st to 9th note 1 velocity layer	Range: C2-E6	Samples: 27	RAM: 1 MB	Level 2
05_VC_rep_dim9_spi-1 (2/3/4/5/6/7/8/9) Extracted repetitions: Spiccato, diminuendo, 1st to 9th note 1 velocity layer	Range: C2-E6	Samples: 27	RAM: 1 MB	Level 2
06_VC_rep_cre9_harsh-1 (2/3/4/5/6/7/8/9) Extracted repetitions: Harsh, crescendo, 1st to 9th note 1 velocity layer	Range: C2-E6	Samples: 27	RAM: 1 MB	Level 2
06_VC_rep_dim9_harsh-1 (2/3/4/5/6/7/8/9) Extracted repetitions: Harsh, diminuendo, 1st to 9th note 1 velocity layer	Range: C2-E6	Samples: 27	RAM: 1 MB	Level 2

02 Long Notes - Single Layer	Range: C2-G6		
01 VC_sus_Vib-pp Single notes: Sustained, vibrato, pp 1 velocity layer Release samples	Samples: 106	RAM: 6 MB	Level 2
02 VC_sus_Vib-mp Single notes: Sustained, vibrato, mp 1 velocity layer Release samples	Samples: 159	RAM: 9 MB	Level 2

03 VC_sus_Vib-f

Single notes: Sustained, vibrato, f
 1 velocity layer
 Release samples

Samples: 212 RAM: 13 MB Level 2

04 VC_sus_Vib-ff

Single notes: Sustained, vibrato, ff
 1 velocity layer
 Release samples

Samples: 318 RAM: 19 MB Level 2

**03 Perf Speed variation****01 VC_perf-legato_me**

Interval performances: Legato, medium speed
 Monophonic
 2 velocity layers: 0–88 p; 89–127 f
 Release samples

Range: C2–A5 Samples: 1374 RAM: 85 MB Level 2

03 VC_stac-spic

Single notes: Staccato/spiccato
 2 velocity layers: 0–88 p; 89–127 f

Range: C2–A#5 Samples: 212 RAM: 13 MB Level 2

99 RELEASE

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments matrix – you will not be able to hear anything when you try to play them.

Matrices

Matrix - LEVEL 1

L1 VC Articulation Combi

Samples: 4002 RAM: 250 MB Level 1

Single note articulations: Normal, ponticello, artificial harmonics, glissandos, pizzicato

Matrix switches: Horizontal: Keyswitches, C1–A1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1
V1	stac	sus	fp	trem	trill half	pon.stac	pon.trem	harm.stac	med.gloss	pizz.
V2	dét. short	marc	sfz	trem auto	trill whole	pon.sus	pon.trem auto	harm.sus	fast gloss	snap pizz.

L1 VC Perf-Legato Speed + porta

Samples: 2962 RAM: 185 MB Level 1

Interval performances: Legato slow and fast, portamento

Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones Vertical: Modwheel, 2 zones

	H1	H2
V1	legato slow	legato fast
V2	portamento	legato fast

L1 VC Perf-Repetitions Combi

Samples: 2073 RAM: 129 MB Level 1

Repetition performances: Slow legato, staccato, spiccato

Matrix switches: Vertical: Modwheel, 3 zones

	repetitions
V1	legato
V2	staccato
V3	spiccato

Matrix - LEVEL 2 A - Advanced

01 VC Perf-Universal

Samples: 6183 RAM: 386 MB Level 2

Interval performances: Legato, marcato, spiccato; slow and fast

Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 4 zones Vertical: Modwheel, 3 zones

	H1	H2	H3	H4
legato	slow	medium	medium	fast
marcato	slow	slow	fast	fast
spiccato	stac/spic	stac/spic	slow	fast

02 VC Perf-Legato - All

Samples: 4043 RAM: 252 MB Level 2

Interval performances: Legato straight, on one string, zigane, progressive vibrato, portamento

Monophonic

Matrix switches: Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1
legato	normal	one string	zigane	prog.vibrato
portamento	%	%	%	%

03 VC Perf-Trill Speed**Samples: 3604 RAM: 225 MB Level 2**

Multi interval performances: Legato and trills

Monophonic, Speed controller

	H1	H2
V1	legato	trills

04 VC Perf-Trill Speed - Combi**Samples: 5041 RAM: 315 MB Level 2**

Multi interval performances: Legato, zigane, portamento, trills

Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

Vertical: Modwheel, 3 zones

	H1	H2
V1	legato	trills
V2	zigane	trills
V3	portamento	trills

05 VC Short+Long notes - All**Samples: 2675 RAM: 167 MB Level 2**

Staccato, détaché short and long, sustained

Vibrato variations

Matrix switches: Horizontal: Keyswitches, C1–D#1

Vertical: Modwheel, 5 zones

	C1	C#1	D1	D#1
V1	staccato	détaché short	détaché long	sustained vibrato
V2	%	%	%	no vibrato
V3	%	%	%	prog. vibrato
V4	%	%	%	marcato
V5	%	%	%	vib. down

06 VC Perf-Harsh - Combi**Samples: 1474 RAM: 92 MB Level 2**

Sustained, vibrato variations, ponticello; all with harsh attack

Cell crossfade for vibrato/no vibrato sustain

Matrix switches: Horizontal: Keyswitches, C1–D#1

	C1	C#1	D1	D#1
V1	sus-vib./no vib.	sus-progr.vib.	ponticello	harsh

Matrix - LEVEL 2 B - Standard**11 VC Perf-Legato Speed****Samples: 2276 RAM: 142 MB Level 2**

Interval performances: Legato slow and fast

Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 3 zones

	H1	H2	H3
legato	slow	medium	fast

12 VC Perf-Marcato Speed**Samples: 2261 RAM: 141 MB Level 2**

Interval performances: Marcato slow and fast

Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
marcato	slow	fast

13 VC Perf-Spiccato Speed**Samples: 1844 RAM: 115 MB Level 2**

Interval performances: Staccato/spiccato, performance spiccato slow and fast

Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 3 zones

	H1	H2	H3
spiccato	stac/spic	slow	fast
	C1	C#1	D1
short notes	staccato	détaché short	détaché long

14 VC Short notes - All**Samples: 1272 RAM: 79 MB Level 2**

Staccato, détaché short, détaché long

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
short notes	staccato	détaché short	détaché long
	C1	C#1	D1
short notes	staccato	détaché short	détaché long

15 VC Long notes - All**Samples: 1562 RAM: 97 MB Level 2**

Sustained with vibrato, marcato, espressivo, progressive, fading, and no vibrato

Matrix switches: Horizontal: Keyswitches, C1–F1

	C1	C#1	D1	D#1	E1	F1
sustained	vibrato	marcato	espressivo	progr. vibrato	fading vibrato	no vibrato
	C1	C#1	D1	D#1	E1	F1
sustained	vibrato	marcato	espressivo	progr. vibrato	fading vibrato	no vibrato

16 VC Dynamics - Small**Samples: 661 RAM: 41 MB Level 2**

Medium dynamics: Crescendo/diminuendo with vibrato 1.5, 3, 4 sec., fortepiano, sforzato, sforzatissimo

Matrix switches: Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 4 zones

	C1	C#1	D1
medium dyn. vib.	1.5 sec.	3 sec.	4 sec.
fp	%	%	%
sfz	%	%	%
sffz	%	%	%

17 VC Dynamics - All**Samples: 1197 RAM: 74 MB Level 2**

Dynamics: Crescendo/diminuendo medium with and without vibrato, strong with vibrato, cresc-dim 2 and 4 sec., fortepiano, sforzato, sforzatissimo

Matrix switches: Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 5 zones

	C1	C#1	D1
medium dyn. vib.	1.5sec.	3sec.	3sec.
strong dyn. vib.	1.5sec.	3sec.	4sec.
med.dyn. no vib.	1.5sec.	3sec.	3sec.
special dyn.	pfp 2sec.	pfp 4sec.	pfp 4sec.
special dyn.	fp	sfz	sffz

18 VC Tremolo - All**Samples: 689 RAM: 43 MB Level 2**

Tremolo: sustained, sustained with attack automation, dynamics 1.5 and 3 sec.

Matrix switches: Horizontal: Keyswitches, C1–D#1

	C1	C#1	D1	D#1
tremolo	sustained	auto attack	dyn. 1.5sec.	dyn. 3sec.
	C1	C#1	D1	D#1
tremolo	sustained	auto attack	dyn. 1.5sec.	dyn. 3sec.

19 VC Trills - normal

Samples: 416 RAM: 26 MB Level 2

Trills: normal and dynamics, half and whole tone

Matrix switches: Horizontal: Keyswitches, C1–C#1 Vertical: Modwheel, 2 zones

	C1	C#1
half tone	normal	dynamics
whole tone	normal	dynamics

20 VC Trills - accelerando

Samples: 264 RAM: 16 MB Level 2

Trills accelerando: normal and dynamics, half and whole tone

Matrix switches: Horizontal: Keyswitches, C1–C#1 Vertical: Modwheel, 2 zones

	C1	C#1
half tone	normal	dynamics
whole tone	normal	dynamics

21 VC Trills - All

Samples: 680 RAM: 42 MB Level 2

Trills: constant speed and accelerando, normal and dynamics, half and whole tone

Matrix switches: Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1
half tone	normal	dynamics	accelerando	acc. dynamics
whole tone	normal	dynamics	accelerando	acc. dynamics

22 VC Pizzicato + Legno - All

Samples: 947 RAM: 59 MB Level 2

Pizzicato normal, secco, and snap

Col legno

Matrix switches: Horizontal: Keyswitches, C1–C#1 Vertical: Modwheel, 3 zones

	C1	C#1
V1	pizzicato normal	col legno
V2	pizz. secco	col legno
V3	pizz. snap	col legno

23 VC Harmonics artificial - All

Samples: 231 RAM: 14 MB Level 2

Artificial harmonics: Staccato, sustained, repetition performances

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
harmonics artificial	staccato	sustained	perf. repetition

24 VC Harmonics natural - All

Samples: 344 RAM: 21 MB Level 2

Natural harmonics: Sustained, repetition performances, glissando

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
harmonics natural	sustained	perf. repetition	glissando

25 VC Ponticello - All

Samples: 1761 RAM: 110 MB Level 2

Ponticello: Staccato, détaché, sustained, sforzato, sforzatissimo, tremolo, legato repetitions normal/dynamics

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1
V1	staccato	sustained	sfz	tremolo	perf.rep legato
V2	détaché	sus. auto attack	sffz	trem. auto attack	perf.rep legato dyn.

26 VC Ponticello XF - All**Samples: 4979 RAM: 311 MB Level 2**

Ponticello and normal: Staccato, détaché, sustained, sforzato, sforzatissimo, tremolo, legato repetitions normal/dynamics
 Cell crossfade ponticello/normal

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1
V1	staccato	sustained	sfz	tremolo	perf.rep legato
V2	détaché	sus. auto attack	sffz	trem. auto attack	perf.rep legato dyn.

27 VC Tasto - All**Samples: 1215 RAM: 75 MB Level 2**

Sul tasto: Staccato, détaché, sustained, sforzato, tremolo

Matrix switches: Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1
V1	staccato	sustained	sfz	tremolo
V2	détaché	sus. auto attack	sfz	trem. auto attack

28 VC Tasto XF - All**Samples: 3653 RAM: 228 MB Level 2**

Sul tasto and normal: Staccato, détaché, sustained, sforzato, tremolo

Cell crossfade tasto/normal

Matrix switches: Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1
V1	staccato	sustained	sfz	tremolo
V2	détaché	sus. auto attack	sfz	trem. auto attack

29 VC Glissando - All**Samples: 887 RAM: 55 MB Level 2**

Single string performance glissandos

Medium and fast octave glissandos

Monophonic

Matrix switches: Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1
perf.glass	C string	G string	D string	A string
octave glass	medium	medium	medium	medium
octave glass	fast	fast	fast	fast

Matrix - LEVEL 2 C - Repetitions**31 VC Perf-Repetitions - Combi****Samples: 3018 RAM: 188 MB Level 2**

Repetition performances: Legato, portato, staccato, spiccato, harsh

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
repetitions	legato	portato	staccato	spiccato	harsh

32 VC Perf-Repetitions - Speed**Samples: 2775 RAM: 173 MB Level 2**

Repetition performances: Legato, portato, staccato, spiccato

Speed controller

Matrix switches: Horizontal: Speed, 4 zones

	H1	H2	H3	H4
repetitions	legato	portato	staccato	spiccato

33 VC Fast-Repetitions

Fast repetitions: 140, 150, 160, 170, 180 BPM

Samples: 636 RAM: 39 MB**Level 2****Matrix switches:** Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
speed/BPM	140	150	160	170	180

34 VC Ricochet-Repetitions - All

Ricochet repetitions: 150, 160, 170, 180, 190, 210 BPM, 3 upbeats, accelerando, ritardando

Samples: 270 RAM: 16 MB**Level 2****Matrix switches:** Horizontal: Keyswitches, C1–F1

Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1
speed/BPM	150	160	170	180	190	210
3 repetitions	%	%	%	%	%	%
accelerando	%	%	%	%	%	%
ritardando	%	%	%	%	%	%

Matrix - LEVEL 2 D - Phrases**41 VC Grace notes****Samples: 314 RAM: 19 MB****Level 2**

Grace notes: Half and whole tone

Mapped to target note

Monophonic

AB switch: up/down

Matrix switches: Vertical: Modwheel, 2 zones

	interval
V1	half tone
V2	whole tone

42 VC Grace notes - zigane**Samples: 434 RAM: 27 MB****Level 2**

Grace notes, zigane (gipsy): Minor 2nd to major 3rd

Mapped to target note

AB switch: up/down

Matrix switches: Horizontal: Keyswitches, C1–D#1

	C1	C#1	D1	D#1
interval	min.2nd	maj.2nd	min.3rd	maj.3rd

Matrix - LEVEL 2 E - Keyswitch Vel**61 VC Legato slow - cre5****Samples: 195 RAM: 12 MB****Level 2**

Legato notes 1 sec.: Crescendo, keyswitch velocity

Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

62 VC Legato fast - cre5

Samples: 265 RAM: 16 MB Level 2

Fast legato notes: Crescendo, keyswitch velocity

Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

63 VC Portato - cre9

Samples: 351 RAM: 21 MB Level 2

Portato notes: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

64 VC Staccato - cre9

Samples: 477 RAM: 29 MB Level 2

Staccato notes: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

65 VC Spiccato - cre9

Samples: 216 RAM: 13 MB Level 2

Spiccato notes: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

66 VC Harsh - cre9

Samples: 243 RAM: 15 MB Level 2

Harsh notes: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

67 VC Combi - cre5

Samples: 460 RAM: 28 MB Level 2

Slow/fast legato: Crescendo, keyswitch velocity

Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1
legato slow	1st	2nd	3rd	4th	5th
legato fast	1st	%	%	%	%

68 VC Combi - cre9

Samples: 1287 RAM: 80 MB Level 2

Portato, staccato, spiccato, harsh: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%
spiccato	1st	%	%	%	%	%	%	%	%
harsh	1st	%	%	%	%	%	%	%	%

71 VC Legato slow - dim5

Samples: 195 RAM: 12 MB Level 2

Legato notes 1 sec.: Diminuendo, keyswitch velocity

Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

72 VC Legato fast - dim5

Samples: 265 RAM: 16 MB Level 2

Fast legato notes: Diminuendo, keyswitch velocity

Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

73 VC Portato - dim9

Samples: 351 RAM: 21 MB Level 2

Portato notes: Diminuendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

74 VC Staccato - dim9

Samples: 477 RAM: 29 MB Level 2

Staccato notes: Diminuendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

75 VC Spiccato - dim9

Samples: 243 RAM: 15 MB Level 2

Spiccato notes: Diminuendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

76 VC Harsh - dim9

Samples: 243 RAM: 15 MB Level 2

Harsh notes: Diminuendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

77 VC Combi - dim5

Samples: 460 RAM: 28 MB Level 2

Slow/fast legato: Diminuendo, keyswitch velocity

Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1
legato slow	1st	2nd	3rd	4th	5th
legato fast	1st	%	%	%	%

78 VC Combi - dim9

Samples: 1314 RAM: 82 MB Level 2

Portato, staccato, spiccato, harsh: Diminuendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%
spiccato	1st	%	%	%	%	%	%	%	%
harsh	1st	%	%	%	%	%	%	%	%

Presets**VC VSL Preset Level 1**

Samples: 8840 RAM: 552 MB Level 1

L1 VC Perf-Legato Speed + porta

L1 VC Articulation Combi

L1 VC Perf-Repetitions Combi

VC VSL Preset Level 2

Samples: 16211 RAM: 1013 MB Level 2

01 VC Perf-Universal

02 VC Perf-Legato - All

L1 VC Articulation Combi

31 VC Perf-Repetitions - Combi

68 VC Combi - cre9

06 VC Perf-Harsh - Combi

04 Bass solo

Description

The double bass is the contrabass instrument of the string section and, with its sloping shoulders and its string tuning to fourths, is not strictly speaking a member of the violin family (violin, viola, cello).

The modern symphony orchestra usually uses 6 (in especially large orchestras 8) double basses.

Range and notation

The double bass has a range from B0–G4 (harmonic G6).

It is the only transposing stringed instrument. Because of its deep pitch, its notation is written an octave higher than it sounds, in bass clef.

Sound characteristics

Heavy, weighty, dark, weightless, wafting, somber, earthy, resonant, rasping, broad, hollow, dull, mighty, menacing, violent, mellow, sustaining, aspirate.

Like the tuba, the double bass lacks the high partials due to its great size, although the first six partials are especially prominent which makes the timbre dark, broad and smooth.

Combination with other instruments

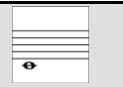
The double bass, as the fundamental bass instrument, is capable of particularly good tonal combinations with all the other instruments, especially with its smaller partner the cello and all harmony instruments as well. Its powerful sound must provide a solid foundation which can support the sound structure and with which the other instruments blend. On the other hand it is also capable of playing melody lines, solo lines which stand out.

The double bass blends well with the low woodwinds (bass clarinet and contrabassoon) and brass instruments (horn, trombone, tuba).

Patches

01 SHORT + LONG NOTES

Range: B0–G4



Level 1: Staccato, short détaché, sustained with vibrato, marcato

Level 2: Long détaché, sustained with progressive, fading, and without vibrato

01 DB_staccato

Samples: 296 RAM: 18 MB Level 1

Staccato

4 velocity layers: 0–55 pp; 56–88 mp; 89–108 f; 109–127 ff

4 Alternations

02 DB_detache_short

Samples: 370 RAM: 23 MB Level 1

Short détaché

5 velocity layers: 0–28 pp; 29–55 mp; 56–88 mf; 89–108 f; 109–127 ff

4 Alternations

03 DB_detache_long

Samples: 296 RAM: 18 MB Level 2

Long détaché

4 velocity layers: 0–55 pp; 56–88 mp; 89–108 mf; 109–127 f

4 Alternations

10 DB_sus_Vib

Samples: 481 RAM: 30 MB Level 1

Sustained, vibrato

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

11 DB_sus_Vib_fA

Samples: 259 RAM: 16 MB Level 2

Sustained, vibrato

Optimized attack for legato

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

12 DB_sus_Vib_fA_auto

Samples: 407 RAM: 25 MB Level 2

Sustained, vibrato

Attack automation

Monophonic

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

13 DB_sus_Vib-marc

Samples: 74 RAM: 4 MB Level 1

Sustained, vibrato, marcato

1 velocity layer

Release samples

14 DB_sus_Vib-progr

Samples: 222 RAM: 13 MB Level 2

Sustained, progressive vibrato

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

Release samples

15 DB_sus_Vib-down Sustained, diminishing vibrato 2 velocity layers: 0–88 mf; 89–127 f	Range: B0–F4	Samples: 110	RAM: 6 MB	Level 2
16 DB_sus_noVib Sustained, no vibrato 3 velocity layers: 0–55 pp; 56–108 mp; 109–127 f Release samples		Samples: 333	RAM: 20 MB	Level 2



02 DYNAMICS		Range: B0–G4
Level 1:	Fortepiano and sforzato	
Level 2:	Medium crescendo and diminuendo without vibrato (1.5 and 3 sec.), strong crescendo and diminuendo with vibrato (1.5, 3, and 4 sec.), crescendo-diminuendo (2 and 4 sec.), sforzatissimo	
01 DB_dyn-str_Vib_1'5s Strong dynamics, 1.5 sec., vibrato 1 velocity layer AB switch: crescendo/diminuendo		Samples: 74 RAM: 4 MB Level 2
02 DB_dyn-str_Vib_3s Strong dynamics, 3 sec., vibrato 1 velocity layer AB switch: crescendo/diminuendo		Samples: 74 RAM: 4 MB Level 2
03 DB_dyn-str_Vib_4s Strong dynamics, 4 sec., vibrato 1 velocity layer AB switch: crescendo/diminuendo		Samples: 74 RAM: 4 MB Level 2
04 DB_dyn-me_noVib_1'5s Medium dynamics, 1.5 sec., no vibrato 2 velocity layers: 0–88 p/mf; 89–127 mf/f AB switch: crescendo/diminuendo		Samples: 148 RAM: 9 MB Level 2
05 DB_dyn-me_noVib_3s Medium dynamics, 3 sec., no vibrato 2 velocity layers: 0–88 pp–mf/mf–pp; 89–127 mf–ff/ff–mf AB switch: crescendo/diminuendo		Samples: 76 RAM: 4 MB Level 2
06 DB_pfp_Vib_2s Crescendo-diminuendo, 2 sec., vibrato 2 velocity layers: 0–88 p–mf; 89–127 mf–f		Samples: 38 RAM: 2 MB Level 2
07 DB_pfp_Vib_4s Crescendo-diminuendo, 4 sec., vibrato 1 velocity layer		Samples: 18 RAM: 1 MB Level 2
08 DB_fp_Vib Fortepiano, vibrato 1 velocity layer		Samples: 37 RAM: 2 MB Level 1

09 DB_sfz_Vib Sforzato, vibrato 1 velocity layer	Samples: 37	RAM: 2 MB	Level 1	
10 DB_sffz_Vib Sforzatissimo, vibrato 1 velocity layer	Samples: 37	RAM: 2 MB	Level 2	
03 TREMOLO + TRILLS	Range: B0–G4			
Level 1: Tremolo sustained, trills half and whole tone				
Level 2: Tremolo crescendo and diminuendo (1.5 and 3 sec.), trills half and whole tone dynamics				
01 DB_trem_sus Tremolo sustained 3 velocity layers: 0–55 pp; 56–108 mf; 109–127 f Release samples	Samples: 222	RAM: 13 MB	Level 1	
02 DB_trem_sus_fA Tremolo sustained Optimized attack for legato 3 velocity layers: 0–55 pp; 56–108 mf; 109–127 f Release samples	Samples: 222	RAM: 13 MB	Level 2	
03 DB_trem_sus_fA_auto Tremolo sustained Attack automation Monophonic 3 velocity layers: 0–55 pp; 56–108 mf; 109–127 f Release samples	Samples: 333	RAM: 20 MB	Level 1	
10 DB_trill_1 Trills: Half tone 2 velocity layers: 0–88 p; 89–127 f Release samples	Range: B0–C4	Samples: 60	RAM: 3 MB	Level 1
11 DB_trill_2 Trills: Whole tone 2 velocity layers: 0–88 p; 89–127 f Release samples	Range: B0–C4	Samples: 60	RAM: 3 MB	Level 1
12 DB_trill_1_dyn Trills: Half tone, dynamics 1 velocity layer AB switch: crescendo/diminuendo	Range: B0–C4	Samples: 30	RAM: 1 MB	Level 2
13 DB_trill_2_dyn Trills: Whole tone, dynamics 1 velocity layer AB switch: crescendo/diminuendo	Range: B0–C4	Samples: 30	RAM: 1 MB	Level 2

**04 PIZZ + LEGNO****Range: B0–G4****Level 1:** Pizzicato, normal and snap (Bartók)**Level 2:** Col legno.**01 DB_pizz****Samples: 222 RAM: 13 MB Level 1**

Pizzicato

3 velocity layers: 0–55 pp; 56–108 mp; 109–127 mf

4 Alternations

02 DB_pizz_snap**Samples: 148 RAM: 9 MB Level 1**

Snap pizzicato

2 velocity layers: 0–88 mf; 89–127 f

4 Alternations

03 DB_col-legno**Samples: 148 RAM: 9 MB Level 2**

Col legno

2 velocity layers: 0–88 p; 89–127 f

4 Alternations

05 HARMONICS**Range: D3–A5****Level 1:** Artificial harmonics staccato, sustained**Level 2:** Artificial harmonics repetition performances, natural harmonics sustained, repetition performances, glissando.

Harmonics patches are mapped an octave lower than they sound.

01 DB_harm-art_stac**Samples: 30 RAM: 1 MB Level 1**

Artificial harmonics: Staccato

1 velocity layer

2 Alternations

02 DB_harm-art_sus**Samples: 60 RAM: 3 MB Level 1**

Artificial harmonics: Sustained

2 velocity layers: 0–88 p; 89–127 f

Release samples

03 DB_harm-art_perf-rep**Samples: 75 RAM: 4 MB Level 2**

Artificial harmonics: Repetition performances

1 velocity layer

11 DB_harm-nat_sus**Range: C2–A#5 Samples: 128 RAM: 8 MB****Level 2**

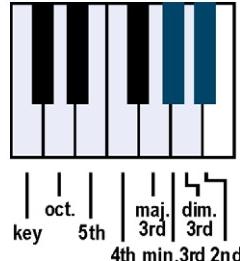
Natural harmonics: Sustained notes on every string, from fundamental to 7th harmonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

Mapping:

C – key note; D – 1st (octave); E – 2nd (5th); F – 3rd (4th); G – 4th (maj. 3rd); G# – 5th (min. 3rd); A – 6th (dim. 3rd); A# – 7th (2nd)
 C2–A#2: E string; C3–A#3: A string; C4–A#4: D string; C5–A#5: G string

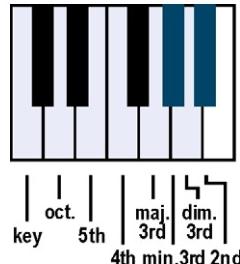
**12 DB_harm-nat_perf-rep****Range: C2–A#5 Samples: 160 RAM: 10 MB****Level 2**

Natural harmonics: Repetition performances on every string, from fundamental to 7th harmonic

1 velocity layer

Mapping:

C – key note; D – 1st (octave); E – 2nd (5th); F – 3rd (4th); G – 4th (maj. 3rd); G# – 5th (min. 3rd); A – 6th (dim. 3rd); A# – 7th (2nd)
 C2–A#2: E string; C3–A#3: A string; C4–A#4: D string; C5–A#5: G string

**13 DB_harm-nat_gliss****Range: C2–A#5 Samples: 56 RAM: 3 MB****Level 2**

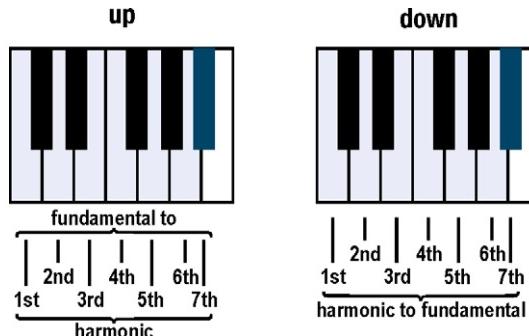
Natural harmonics: Glissandos on every string, from fundamental to 1st, 2nd, etc. harmonic; reverse for downward glissandos

1 velocity layer

AB switch: up/down

Mapping:

C – key note to 1st (octave); D – to 2nd (+5th); E – to 3rd (+4th); F – to 4th (+maj 3rd); G – to 5th (+min. 3rd); A – to 6th (+dim. 3rd); A# – to 7th (+2nd)
 C2–A#2: E string; C3–A#3: A string; C4–A#4: D string; C5–A#5: G string



**06 PONTICELLO****Range: B0–G4**

Ponticello – bowed near the bridge, giving a louder, brighter sound.

Level 1: Staccato, sustained, tremolo**Level 2:** Détaché, sforzato, sforzatissimo, repetition performances normal and dynamics**01 DB_pon_staccato****Samples: 222 RAM: 13 MB Level 1**

Ponticello staccato

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

2 Alternations

02 DB_pon_detache**Samples: 222 RAM: 13 MB Level 2**

Ponticello détaché

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

2 Alternations

03 DB_pon_sus**Samples: 222 RAM: 13 MB Level 1**

Ponticello sustained

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

Release samples

04 DB_pon_sus_fa**Samples: 222 RAM: 13 MB Level 2**

Ponticello sustained

Optimized attack for legato

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

Release samples

05 DB_pon_sus_fa_auto**Samples: 333 RAM: 20 MB Level 2**

Ponticello sustained

Attack automation

Monophonic

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

Release samples

06 DB_pon_sfz**Samples: 37 RAM: 2 MB Level 2**

Ponticello sforzato

1 velocity layer

07 DB_pon_sffz**Samples: 37 RAM: 2 MB Level 2**

Ponticello sforzatissimo

1 velocity layer

08 DB_pon_trem**Samples: 114 RAM: 7 MB Level 1**

Ponticello tremolo

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

Release samples

09 DB_pon_trem_fa**Samples: 114 RAM: 7 MB Level 2**

Ponticello tremolo

Optimized attack for legato

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

Release samples

10 DB_pon_trem_fA_auto	Samples: 171 RAM: 10 MB Level 1
Ponticello tremolo	
Attack automation	
Monophonic	
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f	
Release samples	
11 DB_pon_perf-rep_leg	Samples: 190 RAM: 11 MB Level 2
Repetition performances: Ponticello legato	
2 velocity layers: 0–88 p; 89–127 f	
12 DB_pon_perf-rep_dyn_leg	Samples: 190 RAM: 11 MB Level 2
Repetition performances: Ponticello legato, dynamics	
5 repetitions	
1 velocity layer	
AB switch: crescendo/diminuendo	

07 TASTO**Range: B0–G4**

Sul tasto or flautando – bowed near the fingerboard, resulting in a softer, muffled sound

Level 2: Staccato, détaché, sustained, sforzato, tremolo

01 DB_tas_staccato	Samples: 222 RAM: 13 MB Level 2
Sul tasto staccato	
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f	
2 Alternations	
02 DB_tas_detache	Samples: 222 RAM: 13 MB Level 2
Sul tasto détaché	
3 velocity layers: 0–55 ppp; 56–108 pp; 109–127 p	
2 Alternations	
03 DB_tas_sus	Samples: 222 RAM: 13 MB Level 2
Sul tasto sustained	
3 velocity layers: 0–55 ppp; 56–108 pp; 109–127 p	
Release samples	
04 DB_tas_sus_fA	Samples: 222 RAM: 13 MB Level 2
Sul tasto sustained	
Optimized attack for legato	
3 velocity layers: 0–55 ppp; 56–108 pp; 109–127 p	
Release samples	

05 DB_tas_sus_fA_auto	Samples: 333 RAM: 20 MB Level 2
Sul tasto sustained	
Attack automation	
Monophonic	
3 velocity layers: 0–55 ppp; 56–108 pp; 109–127 p	
Release samples	

06 DB_tas_sfz Sul tasto sforzato 1 velocity layer	Samples: 37 RAM: 2 MB	Level 2
07 DB_tas_trem Sul tasto tremolo 3 velocity layers: 0–55 ppp; 56–108 pp; 109–127 p Release samples	Samples: 114 RAM: 7 MB	Level 2
08 DB_tas_trem_fA Sul tasto tremolo Optimized attack for legato 3 velocity layers: 0–55 ppp; 56–108 pp; 109–127 p Release samples	Samples: 114 RAM: 7 MB	Level 2
09 DB_tas_trem_fA_auto Sul tasto tremolo Attack automation Monophonic 3 velocity layers: 0–55 ppp; 56–108 pp; 109–127 p Release samples	Samples: 171 RAM: 10 MB	Level 2

10 PERF INTERVAL	Range: B0–C4	
Level 1: Legato, portamento		
Level 2: Marcato and spiccato		
01 DB_perf-legato Legato Monophonic 2 velocity layers: 0–88 p; 89–127 f Release samples	Samples: 734 RAM: 45 MB	Level 1
02 DB_perf-portamento Portamento Monophonic 2 velocity layers: 0–88 mp; 89–127 f Release samples	Samples: 746 RAM: 46 MB	Level 1
03 DB_perf-marcato Marcato Monophonic 2 velocity layers: 0–88 mp; 89–127 f Release samples	Samples: 1024 RAM: 64 MB	Level 2
04 DB_perf-spiccato Spiccato Monophonic 2 velocity layers: 0–88 mp; 89–127 f	Samples: 858 RAM: 53 MB	Level 2

**11 PERF INTERVAL FAST****Range: B0–C4****Level 1:** Legato**Level 2:** Marcato, spiccato, and harsh**01 DB_perf-legato_fa****Samples: 986 RAM: 61 MB Level 1**

Legato, fast

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

02 DB_perf-marcato_fa**Samples: 1082 RAM: 67 MB Level 2**

Marcato, fast

Monophonic

2 velocity layers: 0–88 mp; 89–127 f

Release samples

03 DB_perf-spiccato_fa**Samples: 1028 RAM: 64 MB Level 2**

Spiccato, fast

Monophonic

2 velocity layers: 0–88 mp; 89–127 f

04 DB_perf-harsh_fa**Samples: 564 RAM: 35 MB Level 2**

Harsh, fast

Monophonic

2 velocity layers: 0–88 mf; 89–127 ff

12 PERF TRILL**Range: B0–G4****Level 2:** Trills, legato, minor to major 2nd**01 DB_perf-trill_leg****Samples: 1584 RAM: 99 MB Level 2**

Trills, legato

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

13 PERF REPETITION**Range: B0–G4****Level 1:** Legato slow, staccato, spiccato**Level 2:** Legato fast, portato, harsh; dynamics for all articulations**01 DB_perf-rep_leg-sl****Samples: 285 RAM: 17 MB Level 1**

Legato, slow

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

02 DB_perf-rep_leg-fa**Samples: 285 RAM: 17 MB Level 2**

Legato, fast

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

03 DB_perf-rep_por Portato 3 velocity layers: 0–55 p; 56–108 mf; 109–127 f	Samples: 513 RAM: 32 MB Level 2
04 DB_perf-rep_sta Staccato 3 velocity layers: 0–55 p; 56–108 mf; 109–127 f	Samples: 513 RAM: 32 MB Level 1
05 DB_perf-rep_spi Spiccato 3 velocity layers: 0–55 p; 56–108 mf; 109–127 f	Samples: 513 RAM: 32 MB Level 1
06 DB_perf-rep_harsh Harsh 2 velocity layers: 0–88 mf; 89–127 ff	Samples: 342 RAM: 21 MB Level 2
21 DB_perf-rep_dyn5_leg-sl Legato dynamics, slow, 5 repetitions 1 velocity layer AB switch: crescendo/diminuendo	Samples: 190 RAM: 11 MB Level 2
22 DB_perf-rep_dyn5_leg-fa Legato dynamics, fast, 5 repetitions 1 velocity layer AB switch: crescendo/diminuendo	Samples: 190 RAM: 11 MB Level 2
23 DB_perf-rep_dyn9_por Portato dynamics, 9 repetitions 1 velocity layer AB switch: crescendo/diminuendo	Samples: 342 RAM: 21 MB Level 2
24 DB_perf-rep_dyn9_sta Staccato dynamics, 9 repetitions 1 velocity layer AB switch: crescendo/diminuendo	Samples: 342 RAM: 21 MB Level 2
25 DB_perf-rep_dyn9_spi Spiccato dynamics, 9 repetitions 1 velocity layer AB switch: crescendo/diminuendo	Samples: 342 RAM: 21 MB Level 2
26 DB_perf-rep_dyn9_harsh Harsh dynamics, 9 repetitions 1 velocity layer AB switch: crescendo/diminuendo	Samples: 342 RAM: 21 MB Level 2

14 GLISSANDI**Range: B0–C4**

Level 2: Performance glissandos, up and down; medium and fast octave glissandos, up and down

01 DB_perf-glissando Phrase performances: Glissando	Samples: 379 RAM: 23 MB Level 2
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Monophonic
1 velocity layer

02 DB_octav-gliss_me Phrases: Glissando, medium 1 velocity layer AB switch: up/down	Samples: 18	RAM: 1 MB	Level 2
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03 DB_octav-gliss_fa Phrases: Glissando, fast 1 velocity layer AB switch: up/down	Samples: 18	RAM: 1 MB	Level 2
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98 RESOURCES

Level 2: Isolated dynamics repetitions, single layer long notes, interval performance speed variations.

01 Perf Rep dyn	Range: B0–G4
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01_DB_rep_cre5_leg-sl-1 (2/3/4/5) Extracted repetitions: Legato slow, crescendo, 1st to 5th note 1 velocity layer	Samples: 19	RAM: 1 MB	Level 2
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01_DB_rep_dim5_leg-sl-1 (2/3/4/5) Extracted repetitions: Legato slow, diminuendo, 1st to 5th note 1 velocity layer	Samples: 19	RAM: 1 MB	Level 2
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02_DB_rep_cre5_leg-fa-1 (2/3/4/5) Extracted repetitions: Legato fast, crescendo, 1st to 5th note 1 velocity layer	Samples: 19	RAM: 1 MB	Level 2
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02_DB_rep_dim5_leg-fa-1 (2/3/4/5) Extracted repetitions: Legato fast, diminuendo, 1st to 5th note 1 velocity layer	Samples: 19	RAM: 1 MB	Level 2
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03_DB_rep_cre9_por-1 (2/3/4/5/6/7/8/9) Extracted repetitions: Portato, crescendo, 1st to 9th note 1 velocity layer	Samples: 19	RAM: 1 MB	Level 2
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03_DB_rep_dim9_por-1 (2/3/4/5/6/7/8/9) Extracted repetitions: Portato, diminuendo, 1st to 9th note 1 velocity layer	Samples: 19	RAM: 1 MB	Level 2
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04_DB_rep_cre9_sta-1 (2/3/4/5/6/7/8/9) Extracted repetitions: Staccato, crescendo, 1st to 9th note 1 velocity layer	Samples: 19	RAM: 1 MB	Level 2
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04_DB_rep_dim9_sta-1 (2/3/4/5/6/7/8/9) Extracted repetitions: Staccato, diminuendo, 1st to 9th note 1 velocity layer	Samples: 19	RAM: 1 MB	Level 2
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05_DB_rep_cre9_spi-1 (2/3/4/5/6/7/8/9) Extracted repetitions: Spiccato, crescendo, 1st to 9th note	Samples: 19	RAM: 1 MB	Level 2
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1 velocity layer

05_DB_rep_dim9_spi-1 (2/3/4/5/6/7/8/9)	Samples: 19	RAM: 1 MB	Level 2
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Extracted repetitions: Spiccato, diminuendo, 1st to 9th note
1 velocity layer

06_DB_rep_cre9_harsh-1 (2/3/4/5/6/7/8/9)	Samples: 19	RAM: 1 MB	Level 2
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Extracted repetitions: Harsh, crescendo, 1st to 9th note
1 velocity layer

06_DB_rep_dim9_harsh-1 (2/3/4/5/6/7/8/9)	Samples: 19	RAM: 1 MB	Level 2
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Extracted repetitions: Harsh, diminuendo, 1st to 9th note
1 velocity layer

02 Long Notes - Single Layer	Range: B0–G4	
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01 DB_sus_Vib-pp	Samples: 74	RAM: 4 MB	Level 2
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Sustained, vibrato, pp
1 velocity layer
Release samples

02 DB_sus_Vib-mp	Samples: 111	RAM: 6 MB	Level 2
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Sustained, vibrato, mp
1 velocity layer
Release samples

03 DB_sus_Vib-f	Samples: 148	RAM: 9 MB	Level 2
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Sustained, vibrato, f
1 velocity layer
Release samples

04 DB_sus_Vib-ff	Samples: 185	RAM: 11 MB	Level 2
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Sustained, vibrato, ff
1 velocity layer
Release samples

03 Perf Speed variation	Range: B0–C4	
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01 DB_perf-legato_me	Samples: 824	RAM: 51 MB	Level 2
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Interval performances: Legato, medium speed
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

03 DB_stac-spic	Samples: 136	RAM: 8 MB	Level 2
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Single notes: Staccato/spiccato
2 velocity layers: 0–88 pp; 89–127 f

99 RELEASE TRIGGER

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments matrix – you will not be able to hear anything when you try to play them.

Matrices

Matrix - LEVEL 1

L1 DB Articulation Combi

Samples: 2819 RAM: 176 MB Level 1

Single note articulations: Normal, ponticello, artificial harmonics, glissandos, pizzicato

Matrix switches: Horizontal: Keyswitches, C6–A6 Vertical: Modwheel, 2 zones

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6	A6
V1	stac	sus	fp	trem	trill half	pon.stac	pon.trem	harm.stac	med.gloss	pizz.
V2	dét. short	marc	sfz	trem auto	trill whole	pon.sus	pon.trem auto	harm.sus	fast gloss	snap pizz.

L1 DB Perf-Legato Speed + porta

Samples: 1787 RAM: 111 MB Level 1

Interval performances: Legato slow and fast, portamento

Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

Vertical: Modwheel, 2 zones

	H1	H2
V1	legato slow	legato fast
V2	portamento	legato fast

L1 DB Perf-Repetitions Combi

Samples: 1311 RAM: 81 MB Level 1

Repetition performances: Slow legato, staccato, spiccato

Matrix switches: Vertical: Modwheel, 3 zones

	repetitions
V1	legato
V2	staccato
V3	spiccato

Matrix - LEVEL 2 A - Advanced

01 DB Perf-Universal

Samples: 3512 RAM: 219 MB Level 2

Interval performances: Legato, marcato, spiccato; slow and fast

Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 4 zones

Vertical: Modwheel, 3 zones

	H1	H2	H3	H4
legato	slow	medium	medium	fast
marcato	slow	slow	slow	fast
spiccato	stac/spic	stac/spic	slow	fast

02 DB Perf-Legato - All

Samples: 1377 RAM: 86 MB Level 2

Interval performances: Legato, portamento

Monophonic

Matrix switches: Vertical: Modwheel, 2 zones

	H1
V1	legato
V2	portamento

03 DB Perf-Trill Speed

Multi interval performances: Legato and trills

Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
V1	legato	trills

Samples: 1713 RAM: 107 MB Level 2**04 DB Perf-Trill Speed - Combi****Samples: 2356 RAM: 147 MB Level 2**

Multi interval performances: Legato, portamento, trills

Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

Vertical: Modwheel, 2 zones

	H1	H2
V1	legato	trills
V2	portamento	trills

05 DB Short+Long notes - All**Samples: 1849 RAM: 115 MB Level 2**

Single notes: Staccato, détaché short and long, sustained, vibrato variations

Matrix switches: Horizontal: Keyswitches, C6–D#6 Vertical: Modwheel, 5 zones

	C1	C#1	D1	D#1
V1	staccato	détaché short	détaché long	sustained vibrato
V2	%	%	%	no vibrato
V3	%	%	%	prog. vibrato
V4	%	%	%	marcato
V5	%	%	%	vib. down

06 DB Perf-Harsh - Combi**Samples: 1378 RAM: 86 MB Level 2**

Sustained, vibrato variations, ponticello; all with harsh attack

Cell crossfade for vibrato/no vibrato sustain

Monophonic

Matrix switches: Horizontal: Keyswitches, C6–D#6

	C6	C#6	D6	D#6
V1	sus-vib./no vib.	sus-progr.vib.	ponticello	harsh

Matrix - LEVEL 2 B - Standard**11 DB Perf-Legato Speed****Samples: 1144 RAM: 71 MB Level 2**

Interval performances: Legato slow and fast

Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 3 zones

	H1	H2	H3
	slow	medium	fast
legato			

12 DB Perf-Marcato Speed**Samples: 1254 RAM: 78 MB Level 2**

Interval performances: Marcato slow and fast

Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
	slow	fast
marcato		

13 DB Perf-Spiccato Speed**Samples: 1254 RAM: 78 MB****Level 2**

Interval performances: Staccato/spiccato, performance spiccato slow and fast

Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 3 zones

	H1	H2	H3
spiccato	stac/spic	slow	fast
	C6	C#6	D6
short notes	staccato	détaché short	détaché long

14 DB Short notes - All**Samples: 962 RAM: 60 MB****Level 2**

Staccato, détaché short, détaché long

Matrix switches: Horizontal: Keyswitches, C6–D6

	C6	C#6	D6
short notes	staccato	détaché short	détaché long
	C6	C#6	D6
sustained	vibrato	marcato	progr. vibrato

15 DB Long notes - All**Samples: 887 RAM: 55 MB****Level 2**

Sustained with vibrato, marcato, progressive, fading, and no vibrato

Matrix switches: Horizontal: Keyswitches, C6–E6

	C6	C#6	D6	D#6	E6
sustained	vibrato	marcato	progr. vibrato	fading vibrato	no vibrato
	C6	C#6	D6	D#6	E6
strong dyn.	1.5 sec.	3 sec.	4 sec.		

16 DB Dynamics - Small**Samples: 333 RAM: 20 MB****Level 2**

Strong dynamics: Crescendo/diminuendo 1.5, 3, 4 sec., fortepiano, sforzato, sforzatissimo

Matrix switches: Horizontal: Keyswitches, C6–D6 Vertical: Modwheel, 4 zones

	C6	C#6	D6
strong dyn.	1.5 sec.	3 sec.	4 sec.
fp	%	%	%
sfz	%	%	%
sffz	%	%	%

17 DB Dynamics - All**Samples: 613 RAM: 38 MB****Level 2**

Dynamics: Crescendo/diminuendo strong with vibrato, medium without vibrato, cresc-dim 2 and 4 sec., fortepiano, sforzato, sforzatissimo

Matrix switches: Horizontal: Keyswitches, C6–D6 Vertical: Modwheel, 4 zones

	C6	C#6	D6
strong dyn.	1.5sec.	3sec.	4sec.
med.dyn. no vib.	1.5sec.	3sec.	3sec.
special dyn.	pfp 2sec.	pfp 4sec.	pfp 4sec.
special dyn.	fp	sfz	sffz

18 DB Tremolo - All**Samples: 333****RAM: 20 MB****Level 2**

Tremolo: Sustained, sustained with attack automation

Matrix switches: Horizontal: Keyswitches, C6–C#6

	C6	C#6
tremolo	sustained	auto attack

19 DB Trills - normal**Samples: 180****RAM: 11 MB****Level 2**

Trills: normal and dynamics, half and whole tone

Matrix switches: Horizontal: Keyswitches, C6–C#6 Vertical: Modwheel, 2 zones

	C6	C#6
half tone	normal	dynamics
whole tone	normal	dynamics

20 DB Pizzicato + Legno - All**Samples: 515****RAM: 32 MB****Level 2**

Pizzicato normal and snap/Col legno

Matrix switches: Horizontal: Keyswitches, C6–C#6 Vertical: Modwheel, 2 zones

	C1	C#1
V1	pizzicato normal	col legno
V2	pizz. snap	col legno

21 DB Harmonics artificial - All**Samples: 165****RAM: 10 MB****Level 2**

Artificial harmonics: Staccato, sustained, repetition performances

Matrix switches: Horizontal: Keyswitches, C6–D6

	C6	C#6	D6
harmonics artificial	staccato	sustained	perf. repetition

22 DB Harmonics natural - All**Samples: 344****RAM: 21 MB****Level 2**

Natural harmonics: Sustained, repetition performances, glissando

Matrix switches: Horizontal: Keyswitches, C6–D6

	C6	C#6	D6
harmonics natural	sustained	perf. repetition	glissando

23 DB Ponticello - All**Samples: 1402****RAM: 87 MB****Level 2**

Ponticello: Staccato, détaché, sustained, sforzato, sforzatissimo, tremolo, legato repetitions normal/dynamics

Matrix switches: Horizontal: Keyswitches, C6–E6 Vertical: Modwheel, 2 zones

	C6	C#6	D6	D#6	E6
V1	staccato	sustained	sfz	tremolo	perf.rep legato
V2	détaché	sus. auto attack	sffz	trem. auto attack	perf.rep legato dyn.

24 DB Ponticello XF - All**Samples: 3505****RAM: 219 MB****Level 2**

Ponticello and normal: Staccato, détaché, sustained, sforzato, sforzatissimo, tremolo, legato repetitions normal and dynamics

Cell crossfade ponticello/normal

Matrix switches: Horizontal: Keyswitches, C6–E6 Vertical: Modwheel, 2 zones

	C6	C#6	D6	D#6	E6
V1	staccato	sustained	sfz	tremolo	perf.rep legato
V2	détaché	sus. auto attack	sffz	trem. auto attack	perf.rep legato dyn.

25 DB Tasto - All**Samples: 985 RAM: 61 MB****Level 2**

Sul tasto: Staccato, détaché, sustained, sforzato, tremolo

Matrix switches: Horizontal: Keyswitches, C6–D#6 Vertical: Modwheel, 2 zones

	C6	C#6	D6	D#6	E6
V1	staccato	sustained	sfz	tremolo	
V2	détaché	sus. auto attack	sfz	trem. auto attack	

26 DB Tasto XF - All**Samples: 2576 RAM: 161 MB****Level 2**

Sul tasto and normal: Staccato, détaché, sustained, sforzato, tremolo

Cell crossfade tasto/normal

Matrix switches: Horizontal: Keyswitches, C6–D#6 Vertical: Modwheel, 2 zones

	C6	C#6	D6	D#6
V1	staccato	sustained	sfz	tremolo
V2	détaché	sus. auto attack	sfz	trem. auto attack

27 DB Glissando - All**Samples: 415 RAM: 25 MB****Level 2**

Performance glissandos, medium and fast octave glissandos

Monophonic

Matrix switches: Vertical: Modwheel, 3 zones

	H1
V1	perf. glissando
V2	medium oct. gliss
V3	fast oct. gliss

Matrix - LEVEL 2 C - Repetitions**31 DB Perf-Repetitions - Combi****Samples: 2166 RAM: 135 MB****Level 2**

Repetition performances: Legato, portato, staccato, spiccato, harsh

Matrix switches: Horizontal: Keyswitches, C6–E6

	C6	C#6	D6	D#6	E6
repetitions	legato	portato	staccato	spiccato	harsh

32 DB Perf-Repetitions - Speed**Samples: 1824 RAM: 114 MB****Level 2**

Repetition performances: Legato, portato, staccato, spiccato

Speed controller

Matrix switches: Horizontal: Speed, 4 zones

	H1	H2	H3	H4
repetitions	legato	portato	staccato	spiccato

Matrix - LEVEL 2 E - Keyswitch Vel**61 DB Legato slow - cre5****Samples: 95 RAM: 5 MB****Level 2**

Legato notes 1 sec.: Crescendo, keyswitch velocity

Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–E6

	C6	C#6	D6	D#6	E6
velocity	1st	2nd	3rd	4th	5th

62 DB Legato fast - cre5**Samples: 95****RAM: 5 MB****Level 2**

Fast legato notes: Crescendo, keyswitch velocity

Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–E6

	C6	C#6	D6	D#6	E6
velocity	1st	2nd	3rd	4th	5th

63 DB Portato - cre9**Samples: 171****RAM: 10 MB****Level 2**

Portato notes: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–G#6

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

64 DB Staccato - cre9**Samples: 171****RAM: 10 MB****Level 2**

Staccato notes: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–G#6

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

65 DB Spiccato - cre9**Samples: 171****RAM: 10 MB****Level 2**

Spiccato notes: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–G#6

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

66 DB Harsh - cre9**Samples: 171****RAM: 10 MB****Level 2**

Harsh notes: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–G#6

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

67 DB Combi - cre5**Samples: 190****RAM: 11 MB****Level 2**

Slow/fast legato: Crescendo, keyswitch velocity

Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–E6

Vertical: Modwheel, 2 zones

	C6	C#6	D6	D#6	E6
legato slow	1st	2nd	3rd	4th	5th
legato fast	1st	%	%	%	%

68 DB Combi - cre9

Samples: 684 RAM: 42 MB Level 2

Portato, staccato, spiccato, harsh: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–G#6 Vertical: Modwheel, 4 zones

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%
spiccato	1st	%	%	%	%	%	%	%	%
harsh	1st	%	%	%	%	%	%	%	%

71 DB Legato slow - dim5

Samples: 95 RAM: 5 MB Level 2

Legato notes 1 sec.: Diminuendo, keyswitch velocity

Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–E6

	C6	C#6	D6	D#6	E6
velocity	1st	2nd	3rd	4th	5th

72 DB Legato fast - dim5

Samples: 95 RAM: 5 MB Level 2

Fast legato notes: Diminuendo, keyswitch velocity

Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–E6

	C6	C#6	D6	D#6	E6
velocity	1st	2nd	3rd	4th	5th

73 DB Portato - dim9

Samples: 171 RAM: 10 MB Level 2

Portato notes: Diminuendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–G#6

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

74 DB Staccato - dim9

Samples: 171 RAM: 10 MB Level 2

Staccato notes: Diminuendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–G#6

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

75 DB Spiccato - dim9

Samples: 171 RAM: 10 MB Level 2

Spiccato notes: Diminuendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–G#6

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

76 DB Harsh - dim9

Samples: 171 RAM: 10 MB Level 2

Harsh notes: Diminuendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–G#6

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

77 DB Combi - dim5**Samples: 190****RAM: 11 MB****Level 2**

Slow/fast legato: Diminuendo, keyswitch velocity

Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–E6

Vertical: Modwheel, 2 zones

	C6	C#6	D6	D#6	E6
legato slow	1st	2nd	3rd	4th	5th
legato fast	1st	%	%	%	%

78 DB Combi - dim9**Samples: 684****RAM: 42 MB****Level 2**

Portato, staccato, spiccato, harsh: Diminuendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–G#6

Vertical: Modwheel, 4 zones

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%
spiccato	1st	%	%	%	%	%	%	%	%
harsh	1st	%	%	%	%	%	%	%	%

Presets**DB VSL Preset Level 1****Samples: 5674****RAM: 354 MB****Level 1**

L1 DB Perf-Legato Speed + porta

L1 DB Articulation Combi

L1 DB Perf-Repetitions Combi

DB VSL Preset Level 2**Samples: 9598****RAM: 599 MB****Level 2**

01 DB Perf-Universal

02 DB Perf-Legato - All

L1 DB Articulation Combi

31 DB Perf-Repetitions - Combi

68 DB Combi - cre9

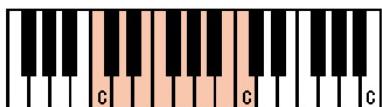
06 DB Perf-Harsh - Combi

Appendix – Solo Strings I

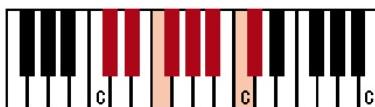
In the following, you will find notations and keyboard layout graphics for major and minor scale runs, as well as a list of playing ranges for the individual Patches.

Scale runs - major

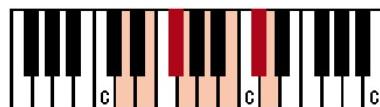
C major



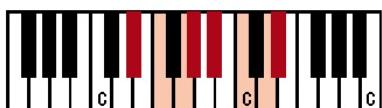
C#/Db major



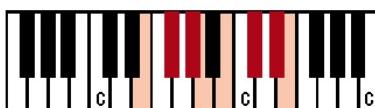
D major



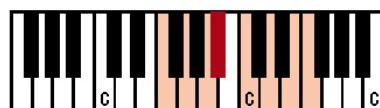
D#/Eb major



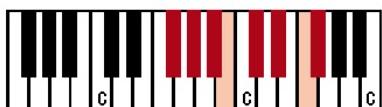
E major



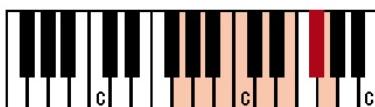
F major



F#/Gb major



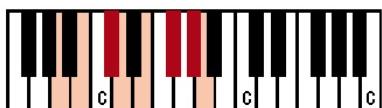
G major



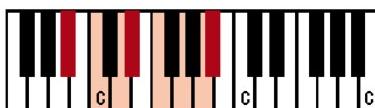
G#/Ab major



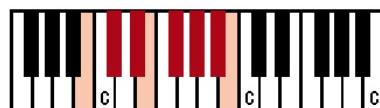
A major



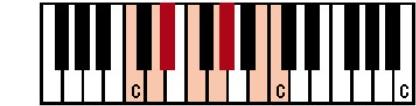
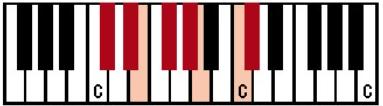
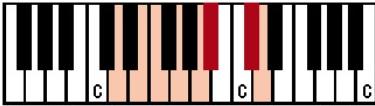
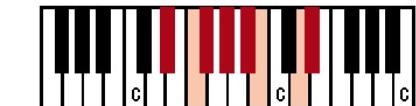
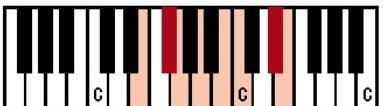
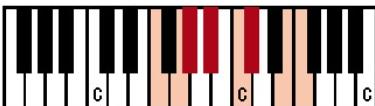
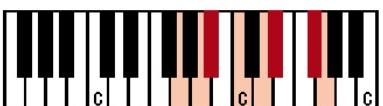
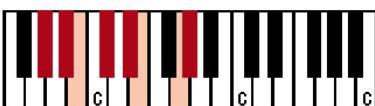
A#/Bb major



B major



Scale runs - minor

C minor	C#/Db minor	D minor
		
		
D#/Eb minor	E minor	F minor
		
		
F#/Gb minor	G minor	G#/Ab minor
		
		
A minor	A#/Bb minor	B minor
		
		

Violin solo scale ranges

Legato major	Play range	Legato minor	Play range
01 VI run-leg_C-ma	G3–A6	01 VI run-leg_C-mi	G3–G#6
02 VI run-leg_C#-ma	G#3–A#6	02 VI run-leg_C#-mi	G#3–A6
03 VI run-leg_D-ma	G3–A6	03 VI run-leg_D-mi	G3–A6
04 VI run-leg_D#-ma	G#3–A#6	04 VI run-leg_D#-mi	G#3–A#6
05 VI run-leg_E-ma	G#3–A6	05 VI run-leg_E-mi	G3–A6
06 VI run-leg_F-ma	G3–A#6	06 VI run-leg_F-mi	G#3–A#6
07 VI run-leg_F#-ma	G#3–G#6	07 VI run-leg_F#-mi	G#3–A6
08 VI run-leg_G-ma	G3–A6	08 VI run-leg_G-mi	G3–A#6
09 VI run-leg_G#-ma	G3–G#6	09 VI run-leg_G#-mi	G3–G#6
10 VI run-leg_A-ma	G#3–A6	10 VI run-leg_A-mi	G#3–A6
11 VI run-leg_A#-ma	G3–A6	11 VI run-leg_A#-mi	G3–A6
12 VI run-leg_B-ma	G#3–A#6	12 VI run-leg_B-mi	A#3–A#6

Spiccato major

	Play range
01 VI run-spic_C-ma	G3–A6
02 VI run-spic_C#-ma	G#3–A#6
03 VI run-spic_D-ma	G3–A6
04 VI run-spic_D#-ma	G#3–A#6
05 VI run-spic_E-ma	G#3–A6
06 VI run-spic_F-ma	G3–A#6
07 VI run-spic_F#-ma	G#3–G#6
08 VI run-spic_G-ma	G3–A6
09 VI run-spic_G#-ma	G3–G#6
10 VI run-spic_A-ma	G#3–A6
11 VI run-spic_A#-ma	G3–A6
12 VI run-spic_B-ma	G#3–A#6

Spiccato minor

01 VI_run-spic_C-mi	G3–G#6
02 VI_run-spic_C#-mi	G#3–A6
03 VI_run-spic_D-mi	G3–A6
04 VI_run-spic_D#-mi	G#3–A#6
05 VI_run-spic_E-mi	G3–A6
06 VI_run-spic_F-mi	G#3–A#6
07 VI_run-spic_F#-mi	G#3–A6
08 VI_run-spic_G-mi	G3–A#6
09 VI_run-spic_G#-mi	G3–G#6
10 VI_run-spic_A-mi	G#3–A6
11 VI_run-spic_A#-mi	G3–A6
12 VI_run-spic_B-mi	A#3–A#6

Solo Strings II

Articulations

Instrument/group	Level 1 (Standard) content	Level 2 (Extended) content
01 Violin solo		
14 FAST REPETITION		Fast repetitions, long, 16ths at 150 to 190 BPM
31 Sordino SHORT + LONG NOTES	Staccato Short détaché Sustained with vibrato	Long détaché Sustained with progressive and without vibrato
32 Sordino DYNAMICS	Fortepiano and sforzato with vibrato	Medium dynamics, 2, 3, 4 sec. Strong dynamics, 2, 3, 4 sec. Crescendo-diminuendo, 2, 4, 6 sec. Sforzatissimo All patches with vibrato
33 Sordino TREMOLO	Tremolo sustained Normal and with attack automation	Tremolo sustained, optimized attack for legato
34 Sordino PIZZ	Pizzicato	
35 Sordino HARMONICS	Artificial harmonics Staccato and sustained	
40 Sordino PERF INTERVAL	Legato, with vibrato Portamento	Legato, with progressive and without vibrato Marcato Spiccato
41 Sordino PERF INTERVAL FAST	Legato fast	
42 Sordino PERF TRILL		Trills, minor 2nd to 4th
43 Sordino PERF REPETITION	Legato Staccato Spiccato	Portato Crescendo repetitions, all articulations
44 Sordino FAST REPETITION		Fast repetitions, 16ths at 150 to 190 BPM
02 Viola solo		
14 FAST REPETITION		Fast repetitions, long, 16ths at 150 to 190 BPM
31 Sordino SHORT + LONG NOTES	Staccato Short détaché Sustained with vibrato	Long détaché Sustained with progressive and without vibrato
32 Sordino DYNAMICS	Fortepiano and sforzato with vibrato	Medium dynamics, 2, 3, 4 sec. Strong dynamics, 2, 3, 4 sec. Crescendo-diminuendo, 2, 4, 6 sec. Sforzatissimo All patches with vibrato
33 Sordino TREMOLO	Tremolo sustained Normal and with attack automation	Tremolo sustained, optimized attack for legato
34 Sordino PIZZ	Pizzicato	
35 Sordino HARMONICS	Artificial harmonics Staccato and sustained	
40 Sordino PERF INTERVAL	Legato, with vibrato Portamento	Legato, with progressive and without vibrato Marcato Spiccato
41 Sordino PERF INTERVAL FAST	Legato fast	
42 Sordino PERF TRILL		Trills, minor 2nd to 4th
43 Sordino PERF REPETITION	Legato Staccato Spiccato	Portato Crescendo repetitions, all articulations
44 Sordino FAST REPETITION		Fast repetitions, 16ths at 150 to 190 BPM

Instrument/group	Level 1 (Standard) content	Level 2 (Extended) content
03 Cello solo		
14 FAST REPETITION		Fast repetitions, long, 16ths at 150 to 190 BPM
31 Sordino SHORT + LONG NOTES	Staccato Short détaché Sustained with vibrato	Long détaché Sustained with progressive and without vibrato
32 Sordino DYNAMICS	Fortepiano and sforzato with vibrato	Medium dynamics, 2, 3, 4 sec. Strong dynamics, 2, 3, 4 sec. Crescendo-diminuendo, 2, 4, 6 sec. Sforzatissimo All patches with vibrato
33 Sordino TREMOLO	Tremolo sustained Normal and with attack automation	Tremolo sustained, optimized attack for legato
34 Sordino PIZZ	Pizzicato	
35 Sordino HARMONICS	Artificial harmonics Staccato and sustained	
40 Sordino PERF INTERVAL	Legato, with vibrato Portamento	Legato, with progressive and without vibrato Marcato Spiccato
41 Sordino PERF INTERVAL FAST	Legato fast	
42 Sordino PERF TRILL		Trills, minor 2nd to 4th
43 Sordino PERF REPETITION	Legato Staccato Spiccato	Portato Crescendo repetitions, all articulations
44 Sordino FAST REPETITION		Fast repetitions, 16ths at 150 to 190 BPM
04 Bass solo		
14 FAST REPETITION		Fast repetitions, long, 16ths at 150 to 190 BPM
31 Sordino SHORT + LONG NOTES	Staccato Short détaché Sustained with vibrato	Long détaché Sustained with progressive and without vibrato
32 Sordino DYNAMICS	Fortepiano and sforzato with vibrato	Medium dynamics, 2, 3, 4 sec. Strong dynamics, 2, 3, 4 sec. Crescendo-diminuendo, 2, 4, 6 sec. Sforzatissimo All patches with vibrato
33 Sordino TREMOLO	Tremolo sustained Normal and with attack automation	Tremolo sustained, optimized attack for legato
34 Sordino PIZZ	Pizzicato	
35 Sordino HARMONICS	Artificial harmonics Staccato and sustained	
40 Sordino PERF INTERVAL	Legato, with vibrato Portamento	Legato, with progressive and without vibrato Marcato Spiccato
41 Sordino PERF INTERVAL FAST	Legato fast	
42 Sordino PERF TRILL		Trills, minor and major 2nd
43 Sordino PERF REPETITION	Legato Staccato Spiccato	Portato Crescendo repetitions, all articulations
44 Sordino FAST REPETITION		Fast repetitions, 16ths at 150 to 190 BPM

01 Violin solo

Patches

14 FAST REPETITION

Range: G3-A7



Level 2: Fast repetitions, long, 16ths at 150 to 190 BPM

06 VI_fast-rep_long_150 (160/170/180/190)

Samples: 100 RAM: 6 MB

Level 2

Fast repetitions, long, 16ths at 150 to 190 BPM

2 velocity layers: 0–88 p; 89–127 f

Release samples

31 Sordino SHORT + LONG NOTES

Range: G3-A#7



Level 1: Staccato

Short détaché

Sustained with vibrato

Level 2: Long détaché

Sustained with progressive and without vibrato

01 VI_mu_staccato

Samples: 312 RAM: 19 MB **Level 1**

Staccato

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

4 Alternations

02 VI_mu_detache_short

Samples: 312 RAM: 19 MB **Level 1**

Short détaché

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

4 Alternations

03 VI_mu_detache_long

Samples: 312 RAM: 19 MB **Level 2**

Long détaché

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

4 Alternations

10 VI_mu_sus_Vib

Range: G3-A7 Samples: 416 RAM: 26 MB **Level 1**

Sustained, with vibrato

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

11 VI_mu_sus_Vib-progr

Range: G3-A7 Samples: 404 RAM: 25 MB **Level 2**

Sustained, with progressive vibrato

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

12 VI_mu_sus_noVib Range: G3–A7 Samples: 416 RAM: 26 MB **Level 2**

Sustained, without vibrato

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples



32 Sordino DYNAMICS Range: G3–A7

Level 1: Fortepiano and sforzato with vibrato

Level 2: Medium dynamics, 2, 3, 4 sec.

Strong dynamics, 2, 3, 4 sec.

Crescendo-diminuendo, 2, 4, 6 sec.

Sforzatissimo

All patches with vibrato

01 VI_mu_dyn-me_Vib_2s Samples: 100 RAM: 6 MB **Level 2**

Medium crescendo and diminuendo, with vibrato, 2 sec.

2 velocity layers: 0–88 p–mf/mf–p; 89–127 mf–f/f–mf

AB switch: crescendo/diminuendo

02 VI_mu_dyn-me_Vib_3s Samples: 100 RAM: 6 MB **Level 2**

Medium crescendo and diminuendo, with vibrato, 3 sec.

03 VI_mu_dyn-me_Vib_4s Samples: 100 RAM: 6 MB **Level 2**

Medium crescendo and diminuendo, with vibrato, 4 sec.

2 velocity layers: 0–88 p–mf/mf–p; 89–127 mf–f/f–mf

AB switch: crescendo/diminuendo

11 VI_mu_dyn-str_Vib_2s Samples: 50 RAM: 3 MB **Level 2**

Strong crescendo and diminuendo, with vibrato, 2 sec.

1 velocity layer

AB switch: crescendo/diminuendo

12 VI_mu_dyn-str_Vib_3s Samples: 50 RAM: 3 MB **Level 2**

Strong crescendo and diminuendo, with vibrato, 3 sec.

1 velocity layer

AB switch: crescendo/diminuendo

13 VI_mu_dyn-str_Vib_4s Samples: 50 RAM: 3 MB **Level 2**

Strong crescendo and diminuendo, with vibrato, 4 sec.

1 velocity layer

AB switch: crescendo/diminuendo

21 VI_mu_pfp_Vib_2s Samples: 50 RAM: 3 MB **Level 2**

Crescendo-diminuendo, with vibrato, 2 sec.

2 velocity layers: 0–88 p; 89–127 f

22 VI_mu_pfp_Vib_4s Samples: 50 RAM: 3 MB **Level 2**

Crescendo-diminuendo, with vibrato, 4 sec.

2 velocity layers: 0–88 p; 89–127 f

23 VI_mu_pfp_Vib_6sSamples: 50 RAM: 3 MB **Level 2**

Crescendo-diminuendo, with vibrato, 6 sec.

2 velocity layers: 0–88 p; 89–127 f

31 VI_mu_fp_VibSamples: 52 RAM: 3 MB **Level 1**

Fortepiano, with vibrato

1 velocity layer

2 Alternations

32 VI_mu_sfz_VibSamples: 52 RAM: 3 MB **Level 1**

Sforzato, with vibrato

33 VI_mu_sffz_VibSamples: 52 RAM: 3 MB **Level 2**

Sforzatissimo, with vibrato

1 velocity layer

2 Alternations

33 Sordino TREMOLO**Range: G3–A7****Level 1:** Tremolo sustained

Normal and with attack automation

Level 2: Tremolo sustained, optimized attack for legato**01 VI_mu_trem_sus**Samples: 150 RAM: 9 MB **Level 1**

Tremolo, sustained

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

Release samples

02 VI_mu_trem_sus_fASamples: 150 RAM: 9 MB **Level 2**

Tremolo, sustained

Optimized attack for legato

Monophonic

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

Release samples

03 VI_mu_trem_sus_fA_autoSamples: 150 RAM: 9 MB **Level 1**

Tremolo, sustained

Attack automation

Monophonic

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

Release samples

**34 Sordino PIZZ****Range: G3–A#7****Level 1:** Pizzicato**01 VI_mu_pizz****Samples: 204****RAM: 12 MB****Level 1**

Pizzicato

2 velocity layers: 0–88 p; 89–127 f

2 Alternations

35 Sordino HARMONICS**Range: G4–D7****Level 1:** Artificial harmonics

Staccato and sustained

01 VI_mu_harm-art_stac**Samples: 128****RAM: 8 MB****Level 1**

Artificial harmonics, staccato

2 velocity layers: 0–88 p; 89–127 f

4 Alternations

02 VI_mu_harm-art_sus**Samples: 96****RAM: 6 MB****Level 1**

Artificial harmonics, sustained

2 velocity layers: 0–88 p; 89–127 f

Release samples

2 Alternations

40 Sordino PERF INTERVAL**Range: G3–D7****Level 1:** Legato, with vibrato

Portamento

Level 2: Legato, with progressive and without vibrato

Marcato

Spiccato

01 VI_mu_perf-legato_Vib**Samples: 1220****RAM: 76 MB****Level 1**

Legato, with vibrato

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

02 VI_mu_perf-legato_Vib-prog**Samples: 1220****RAM: 76 MB****Level 2**

Legato, with progressive vibrato

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

03 VI_mu_perf-legato_noVibSamples: 1220 RAM: 76 MB **Level 2**

Legato, without vibrato

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

04 VI_mu_perf-portamentoRange: G3–C7 Samples: 1290 RAM: 80 MB **Level 1**

Portamento

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

AB switch: sus normal/sul. If set to B, this AB switch provides repetition notes played on the same string as the target note of the preceding interval. For larger interval steps, selecting B after upward movements and A after downward movements gives good results; however, the best way to use this AB switch is try out what sounds best from case to case.

05 VI_mu_perf-marcatoRange: G3–C7 Samples: 1028 RAM: 64 MB **Level 2**

Marcato

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

06 VI_mu_perf-spiccatoRange: G3–C7 Samples: 609 RAM: 38 MB **Level 2**

Spiccato

Monophonic

1 velocity layer

41 Sordino PERF INTERVAL FAST

Range: G3–D7

**Level 1:** Legato fast**01 VI_mu_perf-legato_fa**Samples: 1252 RAM: 78 MB **Level 1**

Legato, fast

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

42 Sordino PERF TRILL

Range: G3–D7

**Level 2:** Trills, minor 2nd to 4th**01 VI_mu_perf-trill**Samples: 3332 RAM: 208 MB **Level 2**

Performance trills, minor 2nd to 4th

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

**43 Sordino PERF REPETITION****Range: G3–A7**

Level 1:
Legato
Staccato
Spiccato

Level 2:
Portato
Crescendo repetitions, all articulations

01 VI_mu_perf-rep_leg**Samples: 260 RAM: 16 MB Level 1**

Legato
2 velocity layers: 0–88 p; 89–127 f

02 VI_mu_perf-rep_por**Samples: 450 RAM: 28 MB Level 2**

Portato
2 velocity layers: 0–88 p; 89–127 f

03 VI_mu_perf-rep_sta**Samples: 450 RAM: 28 MB Level 1**

Staccato
2 velocity layers: 0–88 p; 89–127 f

04 VI_mu_perf-rep_spi**Samples: 450 RAM: 28 MB Level 1**

Spiccato
2 velocity layers: 0–88 p; 89–127 f

21 VI_mu_perf-rep_cre5_leg**Samples: 130 RAM: 8 MB Level 2**

Legato crescendo, 5 repetitions
1 velocity layer

22 VI_mu_perf-rep_cre9_por**Samples: 225 RAM: 14 MB Level 2**

Portato crescendo, 9 repetitions
1 velocity layer

23 VI_mu_perf-rep_cre9_sta**Samples: 225 RAM: 14 MB Level 2**

Staccato crescendo, 9 repetitions
1 velocity layer

24 VI_mu_perf-rep_cre9_spi**Samples: 225 RAM: 14 MB Level 2**

Spiccato crescendo, 9 repetitions
1 velocity layer

**44 Sordino FAST REPETITION****Range: G3–A7**

Level 2: Fast repetitions, 16ths at 150 to 190 BPM

01 VI_mu_fast-rep_150 (160/170/180/190)**Samples: 100 RAM: 6 MB Level 2**

Staccato, 16 repetitions
16ths at 150 to 190 BPM
2 velocity layers: 0–88 p; 89–127 f
Release samples

98 RESOURCES**01 Perf Rep dyn sordino****Range: G3-A7**

Level 2: Isolated dynamics repetitions
Legato, portato, staccato, spiccato

01 VI_mu_rep_cre5_leg-1 (2/3/4/5)**Samples: 26 RAM: 1 MB Level 2**

Extracted repetitions: Legato, crescendo, 1st to 5th repetition
1 velocity layer

02 VI_mu_rep_cre9_por-1 (2/3/4/5/6/7/8/9)**Samples: 25 RAM: 1 MB Level 2**

Extracted repetitions: Portato, crescendo, 1st to 9th repetition
1 velocity layer

03 VI_mu_rep_cre9_sta-1 (2/3/4/5/6/7/8/9)**Samples: 25 RAM: 1 MB Level 2**

Extracted repetitions: Staccato, crescendo, 1st to 9th repetition
1 velocity layer

04 VI_mu_rep_cre9_spi-1 (2/3/4/5/6/7/8/9)**Samples: 25 RAM: 1 MB Level 2**

Extracted repetitions: Spiccato, crescendo, 1st to 9th repetition
1 velocity layer

99 RELEASE

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments Matrix – you will not be able to hear anything when you try to play them.

Matrices

Matrix - LEVEL 1 mu

L1 VI_mu Articulation Combi

Samples: 1722 RAM: 107 MB Level 1

Single notes: Staccato, short détaché, sustained with vibrato, fortepiano, sforzato, tremolo sustained, harmonics staccato and sustained, pizzicato

Matrix switches: Horizontal: Keyswitches, C1–F1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1	F1
V1	staccato	sustained vib.	fortepiano	tremolo	harmonics staccato	pizzicato
V2	détaché short	sustained vib.	sforzato	tremolo, auto attack	harmonics sustained	pizzicato

L1 VI_mu Perf-Legato Speed + porta

Samples: 2558 RAM: 159 MB Level 1

Interval performances: Legato normal and fast, portamento

Speed controller

Matrix switches: Horizontal: Speed, 2 zones Vertical: Modwheel, 2 zones

	H1	H2
V1	legato	legato, fast
V2	portamento	legato, fast

L1 VI_mu Perf-Repetitions Combi

Samples: 1160 RAM: 72 MB Level 1

Repetition performances: Legato, staccato, spiccato

Matrix switches: Vertical: Modwheel, 3 zones

	H1
V1	legato
V2	staccato
V3	spiccato

Matrix - LEVEL 2 F - mu Advanced

01 VI_mu Perf-Universal

Samples: 3169 RAM: 198 MB Level 2

Interval performances: Legato normal and fast, marcato, spiccato

Speed controller

Matrix switches: Horizontal: Speed, 2 zones Vertical: Modwheel, 3 zones

	H1	H2
V1	legato	legato, fast
V2	marcato	marcato
V3	spiccato	spiccato

02 VI_mu Perf-Legato - All**Samples: 2682 RAM: 167 MB Level 2**

Interval performances: Legato with normal, progressive, and without vibrato; portamento

Matrix switches: Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 2 zones

	C1	C#1	D1
V1	legato, vibrato	legato, prog. vib.	legato, no vib.
V2	portamento	portamento	portamento

03 VI_mu Perf-Trill Speed**Samples: 3716 RAM: 232 MB Level 2**

Interval performances: legato with vibrato, and trills

Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
V1	legato, vib.	trills

04 VI_mu Articulation Combi large**Samples: 4938 RAM: 308 MB Level 2**

Staccato, short and long détaché

Sustained with normal, progressive, and without vibrato

Fortepiano, sforzato, sforzatissimo

Medium dynamics, 2, 3, and 4 sec.

Tremolo sustained

Harmonics staccato and sustained

Performances, legato, staccato, spiccato, normal and crescendo

Fast repetitions, 150, 170, 190 BPM

Pizzicato

Matrix switches: Horizontal: Keyswitches, C1–A1

Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1
V1	staccato	sustained vib.	fortepiano	medium dyn. 2 sec.	tremolo	harmonics staccato	perf.rep. legato	perf.rep. legato cres.	fast rep. 150 BPM	pizzicato
V2	détaché short	sustained prog. vib.	sforzato	medium dyn. 3 sec.	tremolo, auto attack	harmonics sustained	perf.rep. staccato	perf.rep. staccato cres.	fast rep. 170 BPM	pizzicato
V3	détaché long	sustained no vib.	sforzatissimo	medium dyn. 4 sec.	tremolo, staccato attack	harmonics sus., stacc. attack	perf.rep. spiccato	perf.rep. spiccato cres.	fast rep. 190 BPM	pizzicato

05 VI_mu Dynamics**Samples: 756 RAM: 47 MB Level 2**

Dynamics

Medium and strong crescendo and diminuendo, 2, 3, and 4 sec.

Crescendo-diminuendo, 2, 4, and 6 sec.

Fortepiano, sforzato, sforzatissimo

AB switch: crescendo/diminuendo

Matrix switches: Horizontal: Keyswitches, C1–D1

Vertical: Modwheel, 4 zones

	C1	C#1	D1
dyn.medium	2 sec.	3 sec.	4 sec.
dyn.strong	2 sec.	3 sec.	4 sec.
cres-dim	2 sec.	4 sec.	6 sec.
sfz	fp	sfz	sffz

Matrix - LEVEL 2 G - mu Repetitions**11 VI_mu Perf-Repetitions - Combi****Samples: 2415 RAM: 150 MB Level 2**

Repetition performances

Legato, portato, staccato, and spiccato

Normal and crescendo

Matrix switches: Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1
normal	legato	portato	staccato	spiccato
crescendo	legato	portato	staccato	spiccato

12 VI_mu Perf-Repetitions - Speed**Samples: 1610 RAM: 100 MB Level 2**

Repetition performances

Legato, portato, staccato, and spiccato

Speed controller

Matrix switches: Horizontal: Speed, 4 zones

	H1	H2	H3	H4
V1	legato	portato	staccato	spiccato

13 VI_mu Fast-Repetitions**Samples: 300 RAM: 18 MB Level 2**

Fast repetitions

Staccato, 16ths at 150 to 190 BPM

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
speed/BPM	150	160	170	180	190

Matrix - LEVEL 2 H - mu Keyswitch Vel**21 VI_mu Legato - cre5****Samples: 130 RAM: 8 MB Level 2**

Legato notes: Crescendo, keyswitch velocity

Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

22 VI_mu Portato - cre9**Samples: 225 RAM: 14 MB Level 2**

Portato notes: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

23 VI_mu Staccato - cre9**Samples: 225 RAM: 14 MB Level 2**

Staccato notes: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

24 VI_mu Spiccato - cre9**Samples: 225 RAM: 14 MB Level 2**

Spiccato notes: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

25 VI_mu Combi - cre9**Samples: 675 RAM: 42 MB Level 2**

Portato, staccato, spiccato: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%
spiccato	1st	%	%	%	%	%	%	%	%

Presets**VI_mu VSL Preset Level 1****Samples: 5060 RAM: 316 MB Level 1**

L1 VI_mu Perf-Legato Speed + porta

L1 VI_mu Articulation Combi

L1 VI_mu Perf-Repetitions Combi

Preset keyswitches: C2–D2

VI_mu VSL Preset Level 2**Samples: 9135 RAM: 570 MB Level 2**

01 VI_mu Perf-Universal

02 VI_mu Perf-Legato - All

04 VI_mu Articulation Combi large

11 VI_mu Perf-Repetitions - Combi

25 VI_mu Combi - cre9

Preset keyswitches: C2–E2

02 Viola solo

Patches

14 FAST REPETITION

Range: C3–D6



Level 2: Fast repetitions, long, 16ths at 150 to 190 BPM

06 VA_fast-rep_long_150 (160/170/180/190)

Samples: 76

RAM: 4 MB

Level 2

Fast repetitions, long, 16ths at 150 to 190 BPM

2 velocity layers: 0–88 p; 89–127 f

Release samples

31 Sordino SHORT + LONG NOTES

Range: C3–G#6



Level 1: Staccato

Short détaché

Sustained with vibrato

Level 2: Long détaché

Sustained with progressive and without vibrato

01 VA_mu_staccato

Samples: 276

RAM: 17 MB

Level 1

Staccato

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

4 Alternations

02 VA_mu_detache_short

Samples: 276

RAM: 17 MB

Level 1

Short détaché

03 VA_mu_detache_long

Samples: 276

RAM: 17 MB

Level 2

Long détaché

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

4 Alternations

10 VA_mu_sus_Vib

Samples: 368

RAM: 23 MB

Level 1

Sustained, with vibrato

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

11 VA_mu_sus_Vib-progr

Samples: 356

RAM: 22 MB

Level 2

Sustained, with progressive vibrato

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

12 VC_mu_sus_noVib**Samples: 368****RAM: 23 MB****Level 2**

Sustained, without vibrato

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

**32 Sordino DYNAMICS****Range: C3–G#6****Level 1:** Fortepiano and sforzato with vibrato**Level 2:** Medium dynamics, 2, 3, 4 sec.

Strong dynamics, 2, 3, 4 sec.

Crescendo-diminuendo, 2, 4, 6 sec.

Sforzatissimo

All patches with vibrato

01 VA_mu_dyn-me_Vib_2s**Samples: 92****RAM: 5 MB****Level 2**

Medium crescendo and diminuendo, with vibrato, 2 sec.

2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf

AB switch: crescendo/diminuendo

02 VA_mu_dyn-me_Vib_3s**Samples: 88****RAM: 5 MB****Level 2**

Medium crescendo and diminuendo, with vibrato, 3 sec.

2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf

AB switch: crescendo/diminuendo

03 VA_mu_dyn-me_Vib_4s**Samples: 88****RAM: 5 MB****Level 2**

Medium crescendo and diminuendo, with vibrato, 4 sec.

2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf

AB switch: crescendo/diminuendo

11 VA_mu_dyn-str_Vib_2s**Samples: 44****RAM: 2 MB****Level 2**

Strong crescendo and diminuendo, with vibrato, 2 sec.

1 velocity layer

AB switch: crescendo/diminuendo

12 VA_mu_dyn-str_Vib_3s**Samples: 44****RAM: 2 MB****Level 2**

Strong crescendo and diminuendo, with vibrato, 3 sec.

1 velocity layer

AB switch: crescendo/diminuendo

13 VA_mu_dyn-str_Vib_4s**Samples: 44****RAM: 2 MB****Level 2**

Strong crescendo and diminuendo, with vibrato, 4 sec.

1 velocity layer

AB switch: crescendo/diminuendo

21 VA_mu_pfp_Vib_2s**Samples: 44****RAM: 2 MB****Level 2**

Crescendo-diminuendo, with vibrato, 2 sec.

2 velocity layers: 0–88 p; 89–127 f

22 VA_mu_pfp_Vib_4s	Samples: 44	RAM: 2 MB	Level 2
Crescendo-diminuendo, with vibrato, 4 sec. 2 velocity layers: 0–88 p; 89–127 f			
23 VA_mu_pfp_Vib_6s	Samples: 44	RAM: 2 MB	Level 2
Crescendo-diminuendo, with vibrato, 6 sec. 2 velocity layers: 0–88 p; 89–127 f			
31 VA_mu_fp_Vib	Samples: 46	RAM: 2 MB	Level 1
Fortepiano, with vibrato 1 velocity layer 2 Alternations			
32 VA_mu_sfz_Vib	Samples: 46	RAM: 2 MB	Level 1
Sforzato, with vibrato 1 velocity layer 2 Alternations			
33 VA_mu_sffz_Vib	Samples: 46	RAM: 2 MB	Level 2
Sforzatissimo, with vibrato 1 velocity layer 2 Alternations			
33 Sordino TREMOLO	Range: C3–G#6		
Level 1: Tremolo sustained Normal and with attack automation			
Level 2: Tremolo sustained, optimized attack for legato			
01 VA_mu_trem_sus	Samples: 132	RAM: 8 MB	Level 1
Tremolo, sustained 3 velocity layers: 0–55 p; 56–108 mf; 109–127 f Release samples			
02 VA_mu_trem_sus_fA	Samples: 132	RAM: 8 MB	Level 2
Tremolo, sustained Optimized attack for legato Monophonic 3 velocity layers: 0–55 p; 56–108 mf; 109–127 f Release samples			
03 VA_mu_trem_sus_fA_auto	Samples: 132	RAM: 8 MB	Level 1
Tremolo, sustained Attack automation Monophonic 3 velocity layers: 0–55 p; 56–108 mf; 109–127 f Release samples			

**34 Sordino PIZZ****Range: C3–G#6****Level 1:** Pizzicato**01 VA_mu_pizz****Samples: 176****RAM: 11 MB****Level 1**

Pizzicato

2 velocity layers: 0–88 p; 89–127 f

2 Alternations

35 Sordino HARMONICS**Range: C4–A6****Level 1:** Artificial harmonics

Staccato and sustained

01 VA_mu_harm-art_stac**Samples: 136****RAM: 8 MB****Level 1**

Artificial harmonics, staccato

2 velocity layers: 0–88 p; 89–127 f

4 Alternations

02 VA_mu_harm-art_sus**Samples: 102****RAM: 6 MB****Level 1**

Artificial harmonics, sustained

40 Sordino PERF INTERVAL**Range: C3–D6****Level 1:** Legato, with vibrato

Portamento

Level 2: Legato, with progressive and without vibrato

Marcato

Spiccato

01 VA_mu_perf-legato_Vib**Samples: 1088****RAM: 68 MB****Level 1**

Legato, with vibrato

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

02 VA_mu_perf-legato_Vib-prog**Samples: 1088****RAM: 68 MB****Level 2**

Legato, with progressive vibrato

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

03 VA_mu_perf-legato_noVib**Samples: 1088****RAM: 68 MB****Level 2**

Legato, without vibrato

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

04 VA_mu_perf-portamento

Samples: 1162 RAM: 72 MB Level 1

Portamento

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

AB switch: sus normal/sul. If set to B, this AB switch provides repetition notes played on the same string as the target note of the preceding interval. For larger interval steps, selecting B after upward movements and A after downward movements gives good results; however, the best way to use this AB switch is try out what sounds best from case to case.

05 VA_mu_perf-marcato

Samples: 912 RAM: 57 MB Level 2

Marcato

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

06 VA_mu_perf-spiccato

Samples: 552 RAM: 34 MB Level 2

Spiccato

Monophonic

1 velocity layer

41 Sordino PERF INTERVAL FAST

Range: C3–D6

**Level 1:** Legato fast**01 VA_mu_perf-legato_fa**

Samples: 1108 RAM: 69 MB Level 1

Legato, fast

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

42 Sordino PERF TRILL

Range: C3–D6

**Level 2:** Trills, minor 2nd to 4th**01 VA_mu_perf-trill**

Samples: 1928 RAM: 120 MB Level 2

Performance trills, minor 2nd to 4th

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

**43 Sordino PERF REPETITION****Range: C3–G#6**

Level 1:
Legato
Staccato
Spiccato

Level 2:
Portato
Crescendo repetitions, all articulations

01 VA_mu_perf-rep_leg**Samples: 220 RAM: 13 MB Level 1**

Legato
2 velocity layers: 0–88 p; 89–127 f

02 VA_mu_perf-rep_por**Samples: 396 RAM: 24 MB Level 2**

Portato
2 velocity layers: 0–88 p; 89–127 f

03 VA_mu_perf-rep_sta**Samples: 396 RAM: 24 MB Level 1**

Staccato
2 velocity layers: 0–88 p; 89–127 f

04 VA_mu_perf-rep_spi**Samples: 396 RAM: 24 MB Level 1**

Spiccato
2 velocity layers: 0–88 p; 89–127 f

21 VA_mu_perf-rep_cre5_leg**Samples: 110 RAM: 6 MB Level 2**

Legato crescendo, 5 repetitions
1 velocity layer

22 VA_mu_perf-rep_cre9_por**Samples: 198 RAM: 12 MB Level 2**

Portato crescendo, 9 repetitions
1 velocity layer

23 VA_mu_perf-rep_cre9_sta**Samples: 198 RAM: 12 MB Level 2**

Staccato crescendo, 9 repetitions
1 velocity layer

24 VA_mu_perf-rep_cre9_spi**Samples: 198 RAM: 12 MB Level 2**

Spiccato crescendo, 9 repetitions
1 velocity layer

**44 Sordino FAST REPETITION****Range: C3–D6**

Level 2: Fast repetitions, 16ths at 150 to 190 BPM

01 VA_mu_fast-rep_150 (160/170/180/190)**Samples: 76 RAM: 4 MB Level 2**

Staccato, 16 repetitions
16ths at 150 to 190 BPM
2 velocity layers: 0–88 p; 89–127 f
Release samples

98 RESOURCES**01 Perf Rep dyn sordino** Range: C3–G#6

Level 2: Isolated dynamics repetitions
Legato, portato, staccato, spiccato

01 VA_mu_rep_cre5_leg-1 (2/3/4/5) Samples: 22 RAM: 1 MB **Level 2**

Extracted repetitions: Legato, crescendo, 1st to 5th repetition
1 velocity layer

02 VA_mu_rep_cre9_por-1 (2/3/4/5/6/7/8/9) Samples: 22 RAM: 1 MB **Level 2**

Extracted repetitions: Portato, crescendo, 1st to 9th repetition
1 velocity layer

03 VA_mu_rep_cre9_sta-1 (2/3/4/5/6/7/8/9) Samples: 22 RAM: 1 MB **Level 2**

Extracted repetitions: Staccato, crescendo, 1st to 9th repetition
1 velocity layer

04 VA_mu_rep_cre9_spi-1 (2/3/4/5/6/7/8/9) Samples: 22 RAM: 1 MB **Level 2**

Extracted repetitions: Spiccato, crescendo, 1st to 9th repetition
1 velocity layer

99 RELEASE TRIGGER

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments Matrix – you will not be able to hear anything when you try to play them.

Matrices

Matrix - LEVEL 1 mu

L1 VA_mu Articulation Combi Samples: 1558 RAM: 97 MB Level 1

Single notes: Staccato, short détaché, sustained with vibrato, fortepiano, sforzato, tremolo sustained, harmonics staccato and sustained, pizzicato

Matrix switches: Horizontal: Keyswitches, C1–F1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1	F1
V1	staccato	sustained vib.	fortepiano	tremolo	harmonics staccato	pizzicato
V2	détaché short	sustained vib.	sforzato	tremolo, auto attack	harmonics sustained	pizzicato

L1 VA_mu Perf-Legato Speed + porta Samples: 2270 RAM: 141 MB Level 1

Interval performances: Legato normal and fast, portamento

Speed controller

Matrix switches: Horizontal: Speed, 2 zones Vertical: Modwheel, 2 zones

	H1	H2
V1	legato	legato, fast
V2	portamento	legato, fast

L1 VA_mu Perf-Repetitions Combi Samples: 1012 RAM: 63 MB Level 1

Repetition performances: Legato, staccato, spiccato

Matrix switches: Vertical: Modwheel, 3 zones

	H1
V1	legato
V2	staccato
V3	spiccato

Matrix - LEVEL 2 F - mu Advanced

01 VA_mu Perf-Universal Samples: 2824 RAM: 176 MB Level 2

Interval performances: Legato normal and fast, marcato, spiccato

Speed controller

Matrix switches: Horizontal: Speed, 2 zones Vertical: Modwheel, 3 zones

	H1	H2
V1	legato	legato, fast
V2	marcato	marcato
V3	spiccato	spiccato

02 VA_mu Perf-Legato - All Samples: 2398 RAM: 149 MB Level 2

Interval performances: Legato with normal, progressive, and without vibrato; portamento

Matrix switches: Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 2 zones

	C1	C#1	D1
V1	legato, vibrato	legato, prog. vib.	legato, no vib.
V2	portamento	portamento	portamento

03 VA_mu Perf-Trill Speed**Samples: 3272 RAM: 204 MB Level 2**

Interval performances: legato with vibrato, and trills
Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
V1	legato, vib.	trills

04 VA_mu Articulation Combi large**Samples: 4358 RAM: 272 MB Level 2**

Staccato, short and long détaché
Sustained with normal, progressive, and without vibrato
Fortepiano, sforzato, sforzatissimo
Medium dynamics, 2, 3, and 4 sec.
Tremolo sustained
Harmonics staccato and sustained
Performances, legato, staccato, spiccato, normal and crescendo
Fast repetitions, 150, 170, 190 BPM
Pizzicato

Matrix switches: Horizontal: Keyswitches, C1–A1

Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1
V1	staccato	sustained vib.	fortepiano	medium dyn. 2 sec.	tremolo	harmonics staccato	perf.rep. legato	perf.rep. legato cres.	fast rep. 150 BPM	pizzicato
V2	détaché short	sustained prog. vib.	sforzato	medium dyn. 3 sec.	tremolo, auto attack	harmonics sustained	perf.rep. staccato	perf.rep. staccato cres.	fast rep. 170 BPM	pizzicato
V3	détaché long	sustained no vib.	sforzatissimo	medium dyn. 4 sec.	tremolo, staccato attack	harmonics sus., stacc. attack	perf.rep. spiccato	perf.rep. spiccato cres.	fast rep. 190 BPM	pizzicato

05 VA_mu Dynamics**Samples: 670 RAM: 41 MB Level 2**

Dynamics
Medium and strong crescendo and diminuendo, 2, 3, and 4 sec.
Crescendo-diminuendo, 2, 4, and 6 sec.
Fortepiano, sforzato, sforzatissimo
AB switch: crescendo/diminuendo

Matrix switches: Horizontal: Keyswitches, C1–D1

Vertical: Modwheel, 4 zones

	C1	C#1	D1
dyn.medium	2 sec.	3 sec.	4 sec.
dyn.strong	2 sec.	3 sec.	4 sec.
cres-dim	2 sec.	4 sec.	6 sec.
sfz	fp	sfz	sffz

Matrix - LEVEL 2 G - mu Repetitions**11 VA_mu Perf-Repetitions - Combi****Samples: 2112 RAM: 132 MB Level 2**

Repetition performances
Legato, portato, staccato, and spiccato
Normal and crescendo

Matrix switches: Horizontal: Keyswitches, C1–D#1

Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1
normal	legato	portato	staccato	spiccato
crescendo	legato	portato	staccato	spiccato

12 VA_mu Perf-Repetitions - Speed**Samples: 1408 RAM: 88 MB Level 2**

Repetition performances

Legato, portato, staccato, and spiccato

Speed controller

Matrix switches: Horizontal: Speed, 4 zones

	H1	H2	H3	H4
V1	legato	portato	staccato	spiccato

13 VA_mu Fast-Repetitions**Samples: 228 RAM: 14 MB Level 2**

Fast repetitions

Staccato, 16ths at 150 to 190 BPM

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
speed/BPM	150	160	170	180	190

Matrix - LEVEL 2 H - mu Keyswitch Vel**21 VA_mu Legato - cre5****Samples: 110 RAM: 6 MB Level 2**

Legato notes: Crescendo, keyswitch velocity

Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

22 VA_mu Portato - cre9**Samples: 198 RAM: 12 MB Level 2**

Portato notes: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

23 VA_mu Staccato - cre9**Samples: 198 RAM: 12 MB Level 2**

Staccato notes: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

24 VA_mu Spiccato - cre9**Samples: 198 RAM: 12 MB Level 2**

Spiccato notes: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

25 VA_mu Combi - cre9**Samples: 594 RAM: 37 MB Level 2**

Portato, staccato, spiccato: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%
spiccato	1st	%	%	%	%	%	%	%	%

Presets**VA_mu VSL Preset Level 1****Samples: 4496 RAM: 281 MB Level 1**

L1 VA_mu Perf-Legato Speed + porta

L1 VA_mu Articulation Combi

L1 VA_mu Perf-Repetitions Combi

Preset keyswitches: C2–D2

VA_mu VSL Preset Level 2**Samples: 8070 RAM: 504 MB Level 2**

01 VA_mu Perf-Universal

02 VA_mu Perf-Legato - All

04 VA_mu Articulation Combi large

11 VA_mu Perf-Repetitions - Combi

25 VA_mu Combi - cre9

Preset keyswitches: C2–E2

03 Cello solo

Patches

14 FAST REPETITION

Range: C2–E6



Level 2: Fast repetitions, long, 16ths at 150 to 190 BPM

06 VC_fast-rep_long_150 (160/170/180/190)

Samples: 104 RAM: 6 MB

Level 2

Fast repetitions, long, 16ths at 150 to 190 BPM

2 velocity layers: 0–88 p; 89–127 f

Release samples

31 Sordino SHORT + LONG NOTES

Range: C2–E6



Level 1: Staccato

Short détaché

Sustained with vibrato

Level 2: Long détaché

Sustained with progressive and without vibrato

01 VC_mu_staccato

Samples: 324 RAM: 20 MB **Level 1**

Staccato

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

4 Alternations

02 VC_mu_detache_short

Samples: 324 RAM: 20 MB **Level 1**

Short détaché

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

4 Alternations

03 VC_mu_detache_long

Samples: 324 RAM: 20 MB **Level 2**

Long détaché

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

4 Alternations

10 VC_mu_sus_Vib

Samples: 431 RAM: 26 MB **Level 1**

Sustained, with vibrato

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

11 VC_mu_sus_Vib-progr

Samples: 431 RAM: 26 MB **Level 2**

Sustained, with progressive vibrato

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

12 VC_mu_sus_noVib

Samples: 431 RAM: 26 MB Level 2

Sustained, without vibrato

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

**32 Sordino DYNAMICS**

Range: C2–E6

Level 1: Fortepiano and sforzato with vibrato**Level 2:** Medium dynamics, 2, 3, 4 sec.

Strong dynamics, 2, 3, 4 sec.

Crescendo-diminuendo, 2, 4, 6 sec.

Sforzatissimo

All patches with vibrato

01 VC_mu_dyn-me_Vib_2s

Samples: 104 RAM: 6 MB Level 2

Medium crescendo and diminuendo, with vibrato, 2 sec.

02 VC_mu_dyn-me_Vib_3s

Samples: 104 RAM: 6 MB Level 2

Medium crescendo and diminuendo, with vibrato, 3 sec.

2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf

AB switch: crescendo/diminuendo

03 VC_mu_dyn-me_Vib_4s

Samples: 104 RAM: 6 MB Level 2

Medium crescendo and diminuendo, with vibrato, 4 sec.

2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf

AB switch: crescendo/diminuendo

11 VC_mu_dyn-str_Vib_2s

Samples: 52 RAM: 3 MB Level 2

Strong crescendo and diminuendo, with vibrato, 2 sec.

1 velocity layer

AB switch: crescendo/diminuendo

12 VC_mu_dyn-str_Vib_3s

Samples: 52 RAM: 3 MB Level 2

Strong crescendo and diminuendo, with vibrato, 3 sec.

1 velocity layer

AB switch: crescendo/diminuendo

13 VC_mu_dyn-str_Vib_4s

Samples: 52 RAM: 3 MB Level 2

Strong crescendo and diminuendo, with vibrato, 4 sec.

1 velocity layer

AB switch: crescendo/diminuendo

21 VC_mu_pfp_Vib_2s

Samples: 52 RAM: 3 MB Level 2

Crescendo-diminuendo, with vibrato, 2 sec.

2 velocity layers: 0–88 p; 89–127 f

22 VC_mu_pfp_Vib_4s

Samples: 52 RAM: 3 MB Level 2

Crescendo-diminuendo, with vibrato, 4 sec.

2 velocity layers: 0–88 p; 89–127 f

23 VC_mu_pfp_Vib_6sSamples: 52 RAM: 3 MB **Level 2**

Crescendo-diminuendo, with vibrato, 6 sec.

2 velocity layers: 0–88 p; 89–127 f

31 VC_mu_fp_VibSamples: 52 RAM: 3 MB **Level 1**

Fortepiano, with vibrato

32 VC_mu_sfz_VibSamples: 52 RAM: 3 MB **Level 1**

Sforzato, with vibrato

1 velocity layer

2 Alternations

33 VC_mu_sffz_VibSamples: 52 RAM: 3 MB **Level 2**

Sforzatissimo, with vibrato

1 velocity layer

2 Alternations

**33 Sordino TREMOLO****Range: C2–E6****Level 1:** Tremolo sustained

Normal and with attack automation

Level 2: Tremolo sustained, optimized attack for legato**01 VC_mu_trem_sus**Samples: 156 RAM: 9 MB **Level 1**

Tremolo, sustained

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

Release samples

02 VC_mu_trem_sus_faSamples: 156 RAM: 9 MB **Level 2**

Tremolo, sustained

Optimized attack for legato

Monophonic

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

Release samples

03 VC_mu_trem_sus_fa_autoSamples: 156 RAM: 9 MB **Level 1**

Tremolo, sustained

Attack automation

Monophonic

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

Release samples

34 Sordino PIZZ**Range: C2–E6****Level 1:** Pizzicato**01 VC_mu_pizz****Samples: 324****RAM: 20 MB****Level 1**

Pizzicato

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

4 Alternations

35 Sordino HARMONICS**Range: C3–G6****Level 1:** Artificial harmonics

Staccato and sustained

01 VC_mu_harm-art_stac**Samples: 176****RAM: 11 MB****Level 1**

Artificial harmonics, staccato

2 velocity layers: 0–88 p; 89–127 f

4 Alternations

02 VC_mu_harm-art_sus**Samples: 132****RAM: 8 MB****Level 1**

Artificial harmonics, sustained

2 velocity layers: 0–88 p; 89–127 f

Release samples

2 Alternations

40 Sordino PERF INTERVAL**Range: C2–G5****Level 1:** Legato, with vibrato

Portamento

Level 2: Legato, with progressive and without vibrato

Marcato

Spiccato

01 VC_mu_perf-legato_Vib**Samples: 1271****RAM: 79 MB****Level 1**

Legato, with vibrato

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

02 VC_mu_perf-legato_Vib-prog**Samples: 1271****RAM: 79 MB****Level 2**

Legato, with progressive vibrato

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

03 VC_mu_perf-legato_noVibSamples: 1271 RAM: 79 MB **Level 2**

Legato, without vibrato

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

04 VC_mu_perf-portamentoSamples: 1358 RAM: 84 MB **Level 1**

Portamento

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

AB switch: sus normal/sul. If set to B, this AB switch provides repetition notes played on the same string as the target note of the preceding interval. For larger interval steps, selecting B after upward movements and A after downward movements gives good results; however, the best way to use this AB switch is try out what sounds best from case to case.

05 VC_mu_perf-marcatoSamples: 1084 RAM: 67 MB **Level 2**

Marcato

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

06 VC_mu_perf-spiccatoSamples: 642 RAM: 40 MB **Level 2**

Spiccato

Monophonic

1 velocity layer

41 Sordino PERF INTERVAL FAST

Range: C2–G5

**Level 1:** Legato fast**01 VC_mu_perf-legato_fa**Samples: 1271 RAM: 79 MB **Level 1**

Legato, fast

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

42 Sordino PERF TRILL

Range: C2–G5

**Level 2:** Trills, minor 2nd to 4th**01 VC_mu_perf-trill**Samples: 3291 RAM: 205 MB **Level 2**

Performance trills, minor 2nd to 4th

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

**43 Sordino PERF REPETITION**

Range: C2–E6

Level 1:
Legato
Staccato
Spiccato

Level 2:
Portato
Crescendo repetitions, all articulations

01 VC_mu_perf-rep_legSamples: 260 RAM: 16 MB **Level 1**

Legato
2 velocity layers: 0–88 p; 89–127 f

02 VC_mu_perf-rep_porSamples: 468 RAM: 29 MB **Level 2**

Portato
2 velocity layers: 0–88 p; 89–127 f

03 VC_mu_perf-rep_staSamples: 468 RAM: 29 MB **Level 1**

Staccato
2 velocity layers: 0–88 p; 89–127 f

04 VC_mu_perf-rep_spiSamples: 468 RAM: 29 MB **Level 1**

Spiccato
2 velocity layers: 0–88 p; 89–127 f

21 VC_mu_perf-rep_cre5_legSamples: 130 RAM: 8 MB **Level 2**

Legato crescendo, 5 repetitions
1 velocity layer

22 VC_mu_perf-rep_cre9_porSamples: 234 RAM: 14 MB **Level 2**

Portato crescendo, 9 repetitions
1 velocity layer

23 VC_mu_perf-rep_cre9_staSamples: 234 RAM: 14 MB **Level 2**

Staccato crescendo, 9 repetitions

24 VC_mu_perf-rep_cre9_spiSamples: 234 RAM: 14 MB **Level 2**

Spiccato crescendo, 9 repetitions
1 velocity layer

**44 Sordino FAST REPETITION**

Range: C2–E6

Level 2: Fast repetitions, 16ths at 150 to 190 BPM

01 VC_mu_fast-rep_150 (160/170/180/190)Samples: 104 RAM: 6 MB **Level 2**

Staccato, 16 repetitions
16ths at 150 to 190 BPM
2 velocity layers: 0–88 p; 89–127 f
Release samples

98 RESOURCES**01 Perf Rep dyn sordino** Range: C2–E6

Level 2: Isolated dynamics repetitions
Legato, portato, staccato, spiccato

01 VC_mu_rep_cre5_leg-1 (2/3/4/5) Samples: 26 RAM: 1 MB **Level 2**

Extracted repetitions: Legato, crescendo, 1st to 5th repetition
1 velocity layer

02 VC_mu_rep_cre9_por-1 (2/3/4/5/6/7/8/9) Samples: 26 RAM: 1 MB **Level 2**

Extracted repetitions: Portato, crescendo, 1st to 9th repetition
1 velocity layer

03 VC_mu_rep_cre9_sta-1 (2/3/4/5/6/7/8/9) Samples: 26 RAM: 1 MB **Level 2**

Extracted repetitions: Staccato, crescendo, 1st to 9th repetition
1 velocity layer

04 VC_mu_rep_cre9_spi-1 (2/3/4/5/6/7/8/9) Samples: 26 RAM: 1 MB **Level 2**

Extracted repetitions: Spiccato, crescendo, 1st to 9th repetition
1 velocity layer

99 RELEASE TRIGGER

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments Matrix – you will not be able to hear anything when you try to play them.

Matrices

Matrix - LEVEL 1 mu

L1 VC_mu Articulation Combi

Samples: 1971 RAM: 123 MB Level 1

Single notes: Staccato, short détaché, sustained with vibrato, fortepiano, sforzato, tremolo sustained, harmonics staccato and sustained, pizzicato

Matrix switches: Horizontal: Keyswitches, C1–F1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1	F1
V1	staccato	sustained vib.	fortepiano	tremolo	harmonics staccato	pizzicato
V2	détaché short	sustained vib.	sforzato	tremolo, auto attack	harmonics sustained	pizzicato

L1 VC_mu Perf-Legato Speed + porta

Samples: 2650 RAM: 165 MB Level 1

Interval performances: Legato normal and fast, portamento

Speed controller

Matrix switches: Horizontal: Speed, 2 zones Vertical: Modwheel, 2 zones

	H1	H2
V1	legato	legato, fast
V2	portamento	legato, fast

L1 VC_mu Perf-Repetitions Combi

Samples: 1196 RAM: 74 MB Level 1

Repetition performances: Legato, staccato, spiccato

Matrix switches: Vertical: Modwheel, 3 zones

	H1
V1	legato
V2	staccato
V3	spiccato

Matrix - LEVEL 2 F - mu Advanced

01 VC_mu Perf-Universal

Samples: 3293 RAM: 205 MB Level 2

Interval performances: Legato normal and fast, marcato, spiccato

Speed controller

Matrix switches: Horizontal: Speed, 2 zones Vertical: Modwheel, 3 zones

	H1	H2
V1	legato	legato, fast
V2	marcato	marcato
V3	spiccato	spiccato

02 VC_mu Perf-Legato - All

Samples: 2774 RAM: 173 MB Level 2

Interval performances: Legato with normal, progressive, and without vibrato; portamento

Matrix switches: Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 2 zones

	C1	C#1	D1
V1	legato, vibrato	legato, prog. vib.	legato, no vib.
V2	portamento	portamento	portamento

03 VC_mu Perf-Trill Speed**Samples: 3695 RAM: 230 MB Level 2**

Interval performances: legato with vibrato, and trills

Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
V1	legato, vib.	trills

04 VC_mu Articulation Combi large**Samples: 5285 RAM: 330 MB Level 2**

Staccato, short and long détaché

Sustained with normal, progressive, and without vibrato

Forte piano, sforzato, sforzatissimo

Medium dynamics, 2, 3, and 4 sec.

Tremolo sustained

Harmonics staccato and sustained

Performances, legato, staccato, spiccato, normal and crescendo

Fast repetitions, 150, 170, 190 BPM

Pizzicato

Matrix switches: Horizontal: Keyswitches, C1–A1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1
V1	staccato	sustained vib.	fortepiano	medium dyn. 2 sec.	tremolo	harmonics staccato	perf.rep. leg			

05 VC_mu Dynamics**Samples: 780 RAM: 48 MB Level 2**

Dynamics

Medium and strong crescendo and diminuendo, 2, 3, and 4 sec.

Crescendo-diminuendo, 2, 4, and 6 sec.

Forte piano, sforzato, sforzatissimo

AB switch: crescendo/diminuendo

Matrix switches: Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 4 zones

	C1	C#1	D1
dyn.medium	2 sec.	3 sec.	4 sec.
dyn.strong	2 sec.	3 sec.	4 sec.
cres-dim	2 sec.	4 sec.	6 sec.
sfz	fp	sfz	sffz

Matrix - LEVEL 2 G - mu Repetitions**11 VC_mu Perf-Repetitions - Combi****Samples: 2496 RAM: 156 MB Level 2**

Repetition performances

Legato, portato, staccato, and spiccato

Normal and crescendo

Matrix switches: Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1
normal	legato	portato	staccato	spiccato
crescendo	legato	portato	staccato	spiccato

12 VC_mu Perf-Repetitions - Speed**Samples: 1664 RAM: 104 MB Level 2**

Repetition performances

Legato, portato, staccato, and spiccato

Speed controller

Matrix switches: Horizontal: Speed, 4 zones

	H1	H2	H3	H4
V1	legato	portato	staccato	spiccato

13 VC_mu Fast-Repetitions**Samples: 312 RAM: 19 MB Level 2**

Fast repetitions

Staccato, 16ths at 150 to 190 BPM

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
speed/BPM	150	160	170	180	190

Matrix - LEVEL 2 H - mu Keyswitch Vel**21 VC_mu Legato - cre5****Samples: 130 RAM: 8 MB Level 2**

Legato notes: Crescendo, keyswitch velocity

Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

22 VC_mu Portato - cre9**Samples: 234 RAM: 14 MB Level 2**

Portato notes: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

23 VC_mu Staccato - cre9**Samples: 234 RAM: 14 MB Level 2**

Staccato notes: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

24 VC_mu Spiccato - cre9**Samples: 234 RAM: 14 MB Level 2**

Spiccato notes: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

25 VC_mu Combi - cre9**Samples: 702 RAM: 43 MB Level 2**

Portato, staccato, spiccato: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%
spiccato	1st	%	%	%	%	%	%	%	%

Presets**VC_mu VSL Preset Level 1****Samples: 5434 RAM: 339 MB Level 1**

L1 VC_mu Perf-Legato Speed + porta

L1 VC_mu Articulation Combi

L1 VC_mu Perf-Repetitions Combi

Preset keyswitches: C6–D6

VC_mu VSL Preset Level 2**Samples: 9674 RAM: 604 MB Level 2**

01 VC_mu Perf-Universal

02 VC_mu Perf-Legato - All

04 VC_mu Articulation Combi large

11 VC_mu Perf-Repetitions - Combi

25 VC_mu Combi - cre9

Preset keyswitches: C6–E6

04 Bass solo

Patches

14 FAST REPETITION

Range: B0–F4



Level 2: Fast repetitions, long, 16ths at 150 to 190 BPM

06 DB_fast-rep_long_150 (160/170/180/190)

Samples: 76

RAM: 4 MB

Level 2

Fast repetitions, long, 16ths at 150 to 190 BPM

2 velocity layers: 0–88 p; 89–127 f

Release samples

31 Sordino SHORT + LONG NOTES

Range: B0–F4



Level 1: Staccato

Short détaché

Sustained with vibrato

Level 2: Long détaché

Sustained with progressive and without vibrato

01 DB_mu_staccato

Samples: 228

RAM: 14 MB

Level 1

Staccato

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

4 Alternations

02 DB_mu_detache_short

Samples: 228

RAM: 14 MB

Level 1

Short détaché

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

4 Alternations

03 DB_mu_detache_long

Samples: 228

RAM: 14 MB

Level 2

Long détaché

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

4 Alternations

10 DB_mu_sus_Vib

Samples: 304

RAM: 19 MB

Level 1

Sustained, with vibrato

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

11 DB_mu_sus_Vib-progr

Range: B0–E4

Samples: 238

RAM: 14 MB

Level 2

Sustained, with progressive vibrato

3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

Release samples

12 DB_mu_sus_noVib

Samples: 304 RAM: 19 MB Level 2

Sustained, without vibrato

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

**32 Sordino DYNAMICS**

Range: B0–F4

Level 1: Fortepiano and sforzato with vibrato**Level 2:** Medium dynamics, 2, 3, 4 sec.

Strong dynamics, 2, 3, 4 sec.

Crescendo-diminuendo, 2, 4, 6 sec.

Sforzatissimo

All patches with vibrato

01 DB_mu_dyn-me_Vib_2s

Samples: 72 RAM: 4 MB Level 2

Medium crescendo and diminuendo, with vibrato, 2 sec.

2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf

AB switch: crescendo/diminuendo

02 DB_mu_dyn-me_Vib_3s

Samples: 72 RAM: 4 MB Level 2

Medium crescendo and diminuendo, with vibrato, 3 sec.

2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf

AB switch: crescendo/diminuendo

03 DB_mu_dyn-me_Vib_4s

Samples: 72 RAM: 4 MB Level 2

Medium crescendo and diminuendo, with vibrato, 4 sec.

11 DB_mu_dyn-str_Vib_2s

Samples: 36 RAM: 2 MB Level 2

Strong crescendo and diminuendo, with vibrato, 2 sec.

1 velocity layer

AB switch: crescendo/diminuendo

12 DB_mu_dyn-str_Vib_3s

Samples: 36 RAM: 2 MB Level 2

Strong crescendo and diminuendo, with vibrato, 3 sec.

1 velocity layer

AB switch: crescendo/diminuendo

13 DB_mu_dyn-str_Vib_4s

Samples: 36 RAM: 2 MB Level 2

Strong crescendo and diminuendo, with vibrato, 4 sec.

1 velocity layer

AB switch: crescendo/diminuendo

21 DB_mu_pfp_Vib_2s

Range: B0–E4 Samples: 36 RAM: 2 MB Level 2

Crescendo-diminuendo, with vibrato, 2 sec.

2 velocity layers: 0–88 p; 89–127 f

22 DB_mu_pfp_Vib_4s

Range: B0–E4 Samples: 36 RAM: 2 MB Level 2

Crescendo-diminuendo, with vibrato, 4 sec.

2 velocity layers: 0–88 p; 89–127 f

23 DB_mu_pfp_Vib_6s

Range: B0–E4

Samples: 18

RAM: 1 MB

Level 2

Crescendo-diminuendo, with vibrato, 6 sec.
1 velocity layer

31 DB_mu_fp_Vib

Samples: 54

RAM: 3 MB

Level 1

Fortepiano, with vibrato
1 velocity layer

32 DB_mu_sfz_Vib

Samples: 54

RAM: 3 MB

Level 1

Sforzato, with vibrato
1 velocity layer

33 DB_mu_sffz_Vib

Samples: 54

RAM: 3 MB

Level 2

Sforzatissimo, with vibrato

**33 Sordino TREMOLO**

Range: B0–F4

Level 1: Tremolo sustained

Normal and with attack automation

Level 2: Tremolo sustained, optimized attack for legato**01 DB_mu_trem_sus**

Samples: 222

RAM: 13 MB

Level 1

Tremolo, sustained
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

Release samples

**02 DB_mu_trem_sus_fA**

Samples: 222

RAM: 13 MB

Level 2

Tremolo, sustained
Optimized attack for legato
Monophonic
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

**03 DB_mu_trem_sus_fA_auto**

Samples: 222

RAM: 13 MB

Level 1

Tremolo, sustained
Attack automation
Monophonic
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

**34 Sordino PIZZ**

Range: B0–F4

Level 1: Pizzicato**01 DB_mu_pizz**

Samples: 222

RAM: 13 MB

Level 1

Pizzicato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
2 Alternations

**35 Sordino HARMONICS****Range: B1–A4**

- Level 1:**
Artificial harmonics
Staccato and sustained

01 DB_mu_harm-art_stac**Samples: 128 RAM: 8 MB****Level 1**

Artificial harmonics, staccato
2 velocity layers: 0–88 p; 89–127 f
4 Alternations

02 DB_mu_harm-art_sus**Samples: 96 RAM: 6 MB****Level 1**

Artificial harmonics, sustained
2 velocity layers: 0–88 p; 89–127 f
Release samples
2 Alternations

40 Sordino PERF INTERVAL**Range: B0–A#3**

- Level 1:**
Legato, with vibrato
Portamento
- Level 2:**
Legato, with progressive and without vibrato
Marcato
Spiccato

01 DB_mu_perf-legato_Vib**Samples: 820 RAM: 51 MB****Level 1**

Legato, with vibrato
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

02 DB_mu_perf-legato_Vib-prog**Samples: 784 RAM: 49 MB****Level 2**

Legato, with progressive vibrato
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

03 DB_mu_perf-legato_noVib**Samples: 820 RAM: 51 MB****Level 2**

Legato, without vibrato
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

04 DB_mu_perf-portamento**Samples: 878 RAM: 54 MB****Level 1**

Portamento
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

AB switch: sus normal/sul. If set to B, this AB switch provides repetition notes played on the same string as the target note of the preceding interval. For larger interval steps, selecting B after upward movements and A after downward movements gives good results; however, the best way to use this AB switch is try out what sounds best from case to case.

05 DB_mu_perf-marcatoSamples: 688 RAM: 43 MB **Level 2**

Marcato

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

06 DB_mu_perf-spiccatoSamples: 840 RAM: 52 MB **Level 2**

Spiccato

Monophonic

2 velocity layers: 0–88 p; 89–127 f

41 Sordino PERF INTERVAL FAST

Range: B0–A#3

**Level 1:** Legato fast**01 DB_mu_perf-legato_fa**Samples: 724 RAM: 45 MB **Level 1**

Legato, fast

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

42 Sordino PERF TRILL

Range: B0–A#3

**Level 2:** Trills, minor and major 2nd**01 DB_mu_perf-trill**Samples: 1284 RAM: 80 MB **Level 2**

Performance trills, minor and major 2nd

Monophonic

2 velocity layers: 0–88 p; 89–127 f

Release samples

43 Sordino PERF REPETITION

Range: B0–F4

**Level 1:** Legato

Staccato

Spiccato

Level 2: Portato

Crescendo repetitions, all articulations

01 DB_mu_perf-rep_legSamples: 190 RAM: 11 MB **Level 1**

Legato

2 velocity layers: 0–88 p; 89–127 f

02 DB_mu_perf-rep_porSamples: 342 RAM: 21 MB **Level 2**

Portato

2 velocity layers: 0–88 p; 89–127 f

03 DB_mu_perf-rep_sta	Samples: 342	RAM: 21 MB	Level 1
Staccato 2 velocity layers: 0–88 p; 89–127 f			
04 DB_mu_perf-rep_spi	Samples: 342	RAM: 21 MB	Level 1
Spiccato 2 velocity layers: 0–88 p; 89–127 f			
21 DB_mu_perf-rep_cre5_leg	Samples: 95	RAM: 5 MB	Level 2
Legato crescendo, 5 repetitions 1 velocity layer			
22 DB_mu_perf-rep_cre9_por	Samples: 171	RAM: 10 MB	Level 2
Portato crescendo, 9 repetitions 1 velocity layer			
23 DB_mu_perf-rep_cre9_sta	Samples: 171	RAM: 10 MB	Level 2
Staccato crescendo, 9 repetitions 1 velocity layer			
24 DB_mu_perf-rep_cre9_spi	Samples: 171	RAM: 10 MB	Level 2
Spiccato crescendo, 9 repetitions 1 velocity layer			



44 Sordino FAST REPETITION Range: B0–F4

Level 2: Fast repetitions, 16ths at 150 to 190 BPM

01 DB_mu_fast-rep_150 (160/170/180/190)	Samples: 76	RAM: 4 MB	Level 2
Staccato, 16 repetitions 16ths at 150 to 190 BPM 2 velocity layers: 0–88 p; 89–127 f Release samples			

98 RESOURCES

01 Perf Rep dyn sordino	Range: B0–F4		
Level 2: Isolated dynamics repetitions Legato, portato, staccato, spiccato			
01 DB_mu_rep_cre5_leg-1 (2/3/4/5)	Samples: 19	RAM: 1 MB	Level 2
Extracted repetitions: Legato, crescendo, 1st to 5th repetition			
02 DB_mu_rep_cre9_por-1 (2/3/4/5/6/7/8/9)	Samples: 19	RAM: 1 MB	Level 2
Extracted repetitions: Portato, crescendo, 1st to 9th repetition			
03 DB_mu_rep_cre9_sta-1 (2/3/4/5/6/7/8/9)	Samples: 19	RAM: 1 MB	Level 2
Extracted repetitions: Staccato, crescendo, 1st to 9th repetition			

Extracted repetitions: Spiccato, crescendo, 1st to 9th repetition

99 RELEASE TRIGGER

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments Matrix – you will not be able to hear anything when you try to play them.

Matrices

Matrix - LEVEL 1 mu

L1 DB_mu Articulation Combi
Samples: 1536 RAM: 96 MB Level 1

Single notes: Staccato, short détaché, sustained with vibrato, fortepiano, sforzato, tremolo sustained, harmonics staccato and sustained, pizzicato

Matrix switches: Horizontal: Keyswitches, C6–F6 Vertical: Modwheel, 2 zones

	C6	C#6	D6	D#6	E6	F6
V1	staccato	sustained vib.	fortepiano	tremolo	harmonics staccato	pizzicato
V2	détaché short	sustained vib.	sforzato	tremolo, auto attack	harmonics sustained	pizzicato

L1 DB_mu Perf-Legato Speed + porta
Samples: 1542 RAM: 96 MB Level 1

Interval performances: Legato normal and fast, portamento

Speed controller

Matrix switches: Horizontal: Speed, 2 zones Vertical: Modwheel, 2 zones

	H1	H2
V1	legato	legato, fast
V2	portamento	legato, fast

L1 DB_mu Perf-Repetitions Combi
Samples: 874 RAM: 54 MB Level 1

Repetition performances: Legato, staccato, spiccato

Matrix switches: Vertical: Modwheel, 3 zones

	H1
V1	legato
V2	staccato
V3	spiccato

Matrix - LEVEL 2 F - mu Advanced

01 DB_mu Perf-Universal
Samples: 2384 RAM: 149 MB Level 2

Interval performances: Legato normal and fast, marcato, spiccato

Speed controller

Matrix switches: Horizontal: Speed, 2 zones Vertical: Modwheel, 3 zones

	H1	H2
V1	legato	legato, fast
V2	marcato	marcato
V3	spiccato	spiccato

02 DB_mu Perf-Legato - All
Samples: 1766 RAM: 110 MB Level 2

Interval performances: Legato with normal, progressive, and without vibrato; portamento

Matrix switches: Horizontal: Keyswitches, C6–D6 Vertical: Modwheel, 2 zones

	C6	C#6	D6
V1	legato, vibrato	legato, prog. vib.	legato, no vib.
V2	portamento	portamento	portamento

03 DB_mu Perf-Trill Speed

Samples: 1492 RAM: 93 MB Level 2

Interval performances: legato with vibrato, and trills
Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
V1	legato, vib.	trills

04 DB_mu Articulation Combi large

Samples: 3887 RAM: 242 MB Level 2

Staccato, short and long détaché
Sustained with normal, progressive, and without vibrato
Fortepiano, sforzato, sforzatissimo
Medium dynamics, 2, 3, and 4 sec.
Tremolo sustained
Harmonics staccato and sustained
Performances, legato, staccato, spiccato, normal and crescendo
Fast repetitions, 150, 170, 190 BPM
Pizzicato

Matrix switches: Horizontal: Keyswitches, C6–A6

Vertical: Modwheel, 3 zones

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6	A6
V1	staccato	sustained vib.	fortepiano	medium dyn. 2 sec.	tremolo	harmonics staccato	perf.rep. legato	perf.rep. legato cres.	fast rep. 150 BPM	pizzicato
V2	détaché short	sustained prog. vib.	sforzato	medium dyn. 3 sec.	tremolo, auto attack	harmonics sustained	perf.rep. staccato	perf.rep. staccato cres.	fast rep. 170 BPM	pizzicato
V3	détaché long	sustained no vib.	sforzatissimo	medium dyn. 4 sec.	tremolo, staccato attack	harmonics sus., stacc. attack	perf.rep. spiccato	perf.rep. spiccato cres.	fast rep. 190 BPM	pizzicato

05 DB_mu Dynamics

Samples: 576 RAM: 36 MB Level 2

Dynamics
Medium and strong crescendo and diminuendo, 2, 3, and 4 sec.
Crescendo-diminuendo, 2, 4, and 6 sec.
Fortepiano, sforzato, sforzatissimo
AB switch: crescendo/diminuendo

Matrix switches: Horizontal: Keyswitches, C6–D6

Vertical: Modwheel, 4 zones

	C6	C#6	D6
dyn.medium	2 sec.	3 sec.	4 sec.
dyn.strong	2 sec.	3 sec.	4 sec.
cres-dim	2 sec.	4 sec.	6 sec.
sfz	fp	sfz	sffz

Matrix - LEVEL 2 G - mu Repetitions**11 DB_mu Perf-Repetitions - Combi**

Samples: 1824 RAM: 114 MB Level 2

Repetition performances
Legato, portato, staccato, and spiccato
Normal and crescendo

Matrix switches: Horizontal: Keyswitches, C6–D#6

Vertical: Modwheel, 2 zones

	C6	C#6	D6	D#6
normal	legato	portato	staccato	spiccato
crescendo	legato	portato	staccato	spiccato

12 DB_mu Perf-Repetitions - Speed**Samples: 1216 RAM: 76 MB Level 2**

Repetition performances

Legato, portato, staccato, and spiccato

Speed controller

Matrix switches: Horizontal: Speed, 4 zones

	H1	H2	H3	H4
V1	legato	portato	staccato	spiccato

13 DB_mu Fast-Repetitions**Samples: 228 RAM: 14 MB Level 2**

Fast repetitions

Staccato, 16ths at 150 to 190 BPM

Matrix switches: Horizontal: Keyswitches, C6–E6

	C6	C#6	D6	D#6	E6
speed/BPM	150	160	170	180	190

Matrix - LEVEL 2 H - mu Keyswitch Vel**21 DB_mu Legato - cre5****Samples: 95 RAM: 5 MB Level 2**

Legato notes: Crescendo, keyswitch velocity

Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–E6

	C6	C#6	D6	D#6	E6
velocity	1st	2nd	3rd	4th	5th

22 DB_mu Portato - cre9**Samples: 171 RAM: 10 MB Level 2**

Portato notes: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

23 DB_mu Staccato - cre9**Samples: 171 RAM: 10 MB Level 2**

Staccato notes: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–G#6

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

24 DB_mu Spiccato - cre9**Samples: 171 RAM: 10 MB Level 2**

Spiccato notes: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–G#6

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

25 DB_mu Combi - cre9**Samples: 513 RAM: 32 MB Level 2**

Portato, staccato, spiccato: Crescendo, keyswitch velocity

Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–G#6 Vertical: Modwheel, 3 zones

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%
spiccato	1st	%	%	%	%	%	%	%	%

Presets**DB_mu VSL Preset Level 1****Samples: 3684 RAM: 230 MB Level 1**

L1 DB_mu Perf-Legato Speed + porta

L1 DB_mu Articulation Combi

L1 DB_mu Perf-Repetitions Combi

Preset keyswitches: C7–D7

DB_mu VSL Preset Level 2**Samples: 6838 RAM: 427 MB Level 2**

01 DB_mu Perf-Universal

02 DB_mu Perf-Legato - All

04 DB_mu Articulation Combi large

11 DB_mu Perf-Repetitions - Combi

25 DB_mu Combi - cre9

Preset keyswitches: C7–E7

Vienna Instruments PRO II Matrices and Presets

Introduction

Update Installation – DVD Collections

All new VI PRO 2 Presets and Matrices are installed by installing the Library Updates, available in your User Area www.vsl.co.at/user.

Make sure that you have installed the latest version of Vienna Instruments PRO 2 and launch the Directory Manager.

WIN: "Start" button => "All programs" => "Vienna Instruments PRO"

OS X: "Applications" => "Vienna Instruments PRO"

Drag your downloaded Library Update .zip files on top of the sample content folder list in the Directory Manager; there is no need to unpack them first. It is also possible to take more than one .zip, as they will be installed one after the other. You will be guided through the update installation.

Attention: Please make sure to have all the Vienna Instruments Libraries you want to update loaded entirely in the Directory Manager – this will save you a few mouseclicks.

General Information

All Vienna Instruments PRO 2 Presets and Matrices have been saved with their cells disabled. This way you can load them quickly to analyze the various loaded Presets and Matrices.

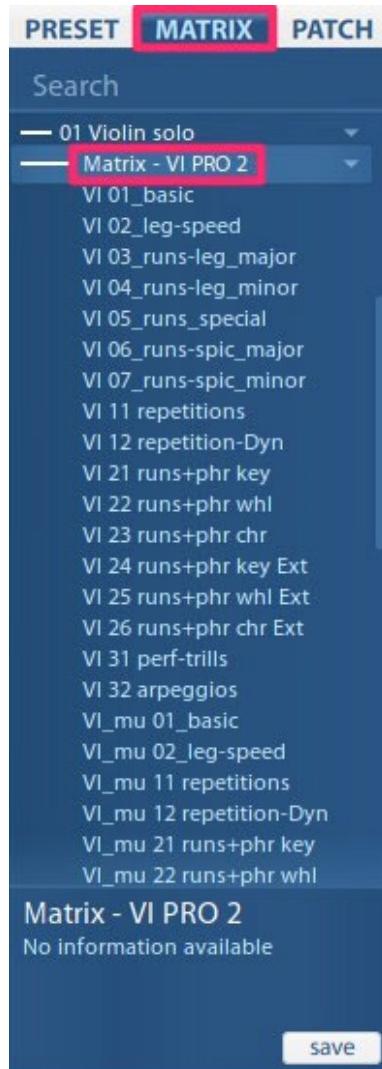
If you activate "Force Enabled ON" in the Settings Menu, these Presets and Matrices will be loaded with enabled cells.



Single Instrument Matrices

There are special folders for Vienna Instruments PRO 2 in the Matrix list of all String and Wind Instruments:

“MATRIX – VI PRO 2”



These folders hold up to 17 new Matrices.

Matrices from 01–09 are “conventional” matrices, without the internal APP Sequencer activated.

Matrix 11 and higher contain sequence-based Matrices.

“01_basic” – The Allround Matrix

Available for all String and Wind Instruments.

A collection of the most essential articulations of the given instrument, with up to 40 different patches.

The Patches have been assembled from the Standard & Extended Library content of each Vienna Instruments Collection, but of course these Matrices are also available if you only have a license for the Standard Library of your Collection. The Patches that are not available will appear with a red background in the Matrix Cells and in the Slot Rack.

X-Axis Controller (horizontal): Keyswitches

For Bass to Soprano Instruments (lowest note C2): C1 upwards

For Contra Bass Instruments (lowest notes below C2): C6 upwards

Use these Keyswitches to change between main categories of Patches like short notes, sustains and Performance Intervals.

Y-Axis Controller (vertical): CC1 (ModWheel)

Use the ModWheel to access different variations of a main category, e.g., sustains: with and without vibrato, with progressive vibrato.

Cell Configuration:

- C Short Single Note samples (staccato, détaché, portato)
- C# Sustains (with/without vibrato)
- D Dynamic Single Notes (fortepiano, sforzando, sforzantissimo)
- D# Performance Intervals (legato, trills, marcato, portamento)
- E Performance Repetitions (legato, portato, staccato, spiccato, harsh)
- F Fast Repetitions (in different tempos)
- F# Tremolo, flutter tongue, recorded trills
- G pizzicato, col legno (strings only)
- G# Harmonics (strings only)
- A Ponticello (strings only)

The configuration of individual Cells has been designed to be interchangeable throughout all instruments; e.g., a staccato will always be found in the same Cell position, irrespective of whether you are using a string or a wind instrument. This allows a quick change of instruments in your arrangement.

“02_leg-speed” (resp. “glissando-speed”) – Tweakable Intervals

Available for all String and Woodwind Instruments, as well as for Brass Instruments with Glissando/Portamento Patches.

The new Enveloped Stretching tools in Vienna Instruments PRO 2 allow you to control the transition length of Performance Interval Patches in real-time.

Attention: Loading or “enabling” these matrices for the first time will cause some delay due to the necessary rendering time.

X-Axis Controller (horizontal): Keyswitches

For Bass to Soprano Instruments (lowest note C2): C1 upwards

For Contrabass Instruments (lowest notes below C2): C6 upwards

Use these Keyswitches to change between different Performance Interval Patches (legato, portamento, glissando).

Y-Axis Controller (vertical): CC1 (ModWheel)

Use the ModWheel to access different transition lengths for the Performance Interval Patches.

CC1 = 1 Slow transitions

CC1 = 64 Regular transitions

CC1 = 127 Fast transitions

"03_runs-leg_major" – Major runs on Speed

Available for all String and Wind Instruments with originally recorded Run Patches (Solo Violin, Orchestral Strings, selected Woodwinds, Trumpets)

Enveloped time-stretching lets you switch between different rendered speeds of the recorded runs in real-time.

The first cells of each matrix row show the tempo in BPM.

The originally played runs were performed as 32nd notes.

X-Axis Controller (horizontal): Keyswitches

For Bass to Soprano Instruments (lowest note C2): C1 upwards

For Contrabass Instruments (lowest notes below C2): C6 upwards

Use these Keyswitches to change between different scales from C major to B major.

Y-Axis Controller (vertical): CC1 (ModWheel)

Use the ModWheel to trigger different speed variations, up to 7 tempo variations.

CC1 = 1 Slowest

CC1 = 127 Fastest

Hint: For a more accurate selection of the intended playing speed it will make sense to change the Y-Axis Controller to Keyswitches.

"04_runs-leg_minor" – Minor runs on Speed

Like Matrix "03_runs-leg_major", but based on minor harmonic scales.

"05_runs-special" – Special Scale runs on Speed

Like Matrix "03_runs-leg_major", but based on chromatic and whole-tone scales.

“11 repetitions” – Repetitions without restrictions

Available for all String and Wind Instruments.

An APP Sequencer based Matrix with Host Tempo Sync activated by default.

X-Axis Controller (horizontal): Articulations/Patches are assigned in the APP Sequencer (Cell Tab)

Y-Axis Controller (vertical): Keyswitches

For Bass to Soprano Instruments (lowest note C2): C1 upwards

For Contrabass Instruments (lowest notes below C2): C6 upwards

The variations available in the Y-Axis are generally sequences assembled from one or 2 different articulations. For Strings, these are spiccato and staccato Performance Repetitions. For Wind Instruments, these are portato and staccato Performance Repetitions.

You can access up to 12 different pre-programmed patterns:

Slot 1	“16th”	16th notes based on one articulation.
Slot 2	“16 2mc”	16th notes based on two different articulations, accents are achieved by using the “longer” articulation.
Slot 3	“16 mc”	16th notes based on two different articulations, accents are achieved by using 2 “longer” articulations.
Slot 4	“up 2”	Sequence of one 8th note and two 16th notes.
Slot 5	“up 1”	Upbeats, sequence of one 8th note and one 16th note.
Slot 6	“16 a3”	Sequence of three 16th notes and one 16th rest.
Slot 7	“triplet”	8th triplets based on one articulation.
Slot 8	“trip mc”	8th triplets based on two different articulations, accents are achieved by using the “longer” articulation.
Slot 9	“trip mc2”	8th triplets based on two different articulations, every quarter beat is accentuated by using the “longer” articulation.
Slot 10	“trip up1”	Triplet Upbeats
Slot 11	“Phrase A”	Example 1 of a combination of different articulations.
Slot 12	“Phrase B”	Example 2 of a combination of different articulations.

“12 repetition-Dyn” – Dynamite Dynamics

Available for all String and Wind Instruments with perf-repetition_dyn Patches.

An APP Sequencer based Matrix with Host Tempo Sync activated by default.

X-Axis Controller (horizontal): Articulations/Patches are assigned in the APP Sequencer (Cell Tab)

The available patterns are based on Performance Repetition Patches. The different volumes of the contained notes are as originally recorded and are NOT triggered by MIDI velocity.

There are up to 9 different volume levels available for every recorded dynamic repetition pattern.

Y-Axis Controller (vertical): Keyswitches

For Bass to Soprano Instruments (lowest note C2): C1 upwards

For Contrabass Instruments (lowest notes below C2): C6 upwards

The available variations are different successions of crescendo and diminuendo repetition patters in 16th notes.

Slot 1	“cre-dim”	Sequence of eight 16th notes from pp–ff, followed by eight 16th notes from ff–pp
Slot 2	“dim-cre”	Sequence of eight 16th notes from ff–pp, followed by eight 16th notes from pp–ff
Slot 3	“cr-di sh”	Sequence of four 16th notes from pp–ff, followed by 4 16th notes from ff–pp
Slot 4	“di-cr sh”	Sequence of four 16th notes from ff–pp, followed by four 16th notes from pp–ff
Slot 5	“cre step”	A series of 4 sequences, each with 4 16th notes, starting with pp. Every following sequence starts at the next higher volume from the preceding one.
Slot 6	“dim step”	A series of 4 sequences, each with 4 16th notes, starting with ff. Every following sequence starts with the next lower volume from the preceding one.
Slot 7	“accent A”	A series of 4 sequences, each with 4 16th notes, with an accentuation on the quarter beat and crescendos towards the accentuated notes.
Slot 8	“accent B”	A series of 4 sequence parts, each with 4 16th notes, with an accentuation on the quarter beat and strong crescendos towards the accentuated notes.
Slot 9	“Phrase A”	Example 1 of a combination of different articulations.
Slot 10	“Phrase B”	Example 2 of a combination of different articulations.
Slot 11	“Phrase C”	Example 3 of a combination of different articulations.
Slot 12	“Phrase D”	Example 4 of a combination of different articulations.

"21 runs+phr key" – Diatonic Runs & Phrases

Available for all String and Wind Instruments.

An APP Sequencer based Matrix with Host Tempo Sync activated by default.

Selection of 12 Scales from C major/minor to B major/minor by Keyswitches C7–B7 (except Piccolo Flute: C3–B3).

Change between major and minor harmonic scales by Velocity Switch:

Velocity 0–99: Major scale

Velocity 100–127: Minor harmonic scale

Attention: If this Matrix is loaded into an empty preset on its own, the "Scale Select Range" and "Velocity Switch" functions in the APP sequencer (Scale Tab) must be activated.



X-Axis Controller (horizontal): Articulations/Patches are assigned in the APP Sequencer (Cell Tab). The major part of the patches used is based on Performance Fast Legatos, and Slurred Fast Legatos for most string ensembles.

Y-Axis Controller (vertical): Keyswitches

For Bass to Soprano Instruments (lowest note C2): C1 upwards

For Contrabass Instruments (lowest notes below C2): C6 upwards

The available variations in the Y-Axis consist of upwards and downwards runs and phrases in different lengths.

Slot 1	"Oct up"	Diatonic run upwards, 1 octave
Slot 2	"Oct do"	Diatonic run downwards, 1 octave
Slot 3	"Oct ac-u"	Diatonic run upwards, 1 octave, with a slight accelerando
Slot 4	"Oct ac-d"	Diatonic run downwards, 1 octave, with a slight accelerando
Slot 5	"2 Oct up"	Diatonic run upwards, 2 octaves
Slot 6	"2 Oct do"	Diatonic run downwards, 2 octaves
Slot 7	"Quint up"	Diatonic run upwards, 1 fifth
Slot 8	"Quint do"	Diatonic run downwards, 1 fifth
Slot 9	"Phr A up"	Progressive phrase upwards (step by step) with a repetition note, 1 octave.
Slot 10	"Phr A do"	Progressive phrase downwards (step by step) with a repetition note, 1 octave.
Slot 11	"Phr B up"	Progressive "mordent phrase" upwards (step by step), 1 octave.
Slot 12	"Phr B do"	Progressive "mordent phrase" downwards (step by step), 1 octave.

"22 runs+phr whl" – Whole-tone Runs & Phrases

Like Matrix "21 runs+phr key", but based on whole-tone scales.

"23 runs+phr chr" – Chromatic Runs & Phrases

Like Matrix "21 runs+phr key", but based on chromatic scales.

"24 runs+phr key ext"

Like Matrix "21 runs+phr key", based on fast Marcato Performance Patches.

Attention: "Ext" Matrices are only available if the Extended Library of the corresponding Collection is available, and only for instruments that contain marcato and/or spiccato Performance Patches.

"25 runs+phr whl ext"

Like Matrix "21 runs+phr key", based on fast Marcato Performance Patches and whole-tone scales.

"26 runs+phr chr ext"

Like Matrix "21 runs+phr key", based on fast Marcato Performance Patches and chromatic scales.

“31 perf-trills” – Thrilling Trills

Available for all String and Wind Instruments with Performance Trill Patches.

An APP Sequencer based Matrix with Host Tempo Sync NOT activated by default. Trill speed can be set directly in the APP sequencer’s “Sequence” tab.

Selection of 12 Scales from C major/minor to B major/minor by Keyswitches C7–B7 (except Piccolo Flute: C3–B3).

Change between major and minor harmonic scales by Velocity Switch:

Velocity 0–99: Major Scale

Velocity 100–127: Minor Harmonic Scale

Attention: If this Matrix is loaded into an empty preset on its own, the “Scale Select Range” and “Velocity Switch” functions in the APP sequencer (Scale Tab) must be activated.



X-Axis Controller (horizontal): Articulations/Patches are assigned in the APP Sequencer (Cell Tab). The major part of the Patches used is based on Performance Trill Patches.

Y-Axis Controller (vertical): Keyswitches

For Bass to Soprano Instruments (lowest note C2): C1 upwards

For Contrabass Instruments (lowest notes below C2): C6 upwards

The available variations in the Y-Axis consist of trills in different speeds, accelerating or decelerating, plus a variety of mordents and inverted mordents (“Pralltriller”).

Slot 1	“trill”	Trill, middle tempo.
Slot 2	“trill ac”	Trill, accelerating.
Slot 3	“trill fa”	Trill, fast tempo.
Slot 4	“trill ri”	Trill, decelerating.
Slot 5	“mord up1”	Embellishment, starting with upwards note.
Slot 6	“mord do1”	Embellishment, starting with downwards note.
Slot 7	“mord up2”	Embellishment, starting with two upwards notes.
Slot 8	“mord up2+”	Embellishment, starting with two upwards notes (variation).
Slot 9	“mord do2”	Embellishment, starting with two downwards notes.
Slot 10	“mord do2+”	Embellishment, starting with two downwards notes (variation).
Slot 11	“Prall up”	Inverted mordent (“Pralltriller”) upwards
Slot 12	“Prall do”	Inverted mordent (“Pralltriller”) downwards

"32 arpeggios" – Fantastic Four String Arpeggios

Available for all String Instruments except Double Basses.

APP Sequencer-based Matrix, Host Tempo Sync activated by default.

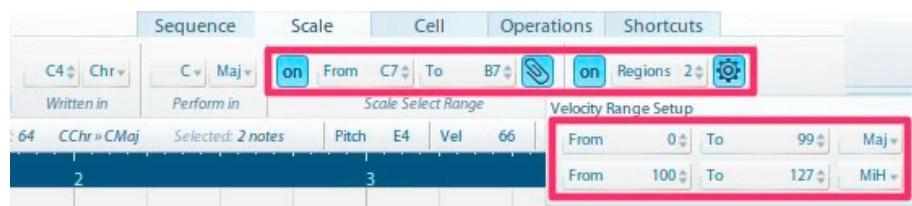
Selection of 12 Scales from C major/minor to B major/minor by Keyswitches C7–B7.

Change between major and minor harmonic scales by Velocity Switch:

Velocity 0–99: Major scale

Velocity 100–127: Minor harmonic scale

Attention: If this Matrix is loaded into an empty preset on its own, the "Scale Select Range" and "Velocity Switch" in the APP sequencer (Scale Tab) must be activated.



X-Axis Controller: Articulations are assigned in the APP Sequencer (Cell Tab)

The major part of the used patches is based on Performance Legato Patches, in combination with Performance Repetitions.

Y-Axis Controller: Keyswitches

Only for Bass to Soprano Instruments (lowest note C2): C1 upwards

The available variations in the Y-Axis are the most essential arpeggio chords over 4 strings within a scale (except #12).

Slot 1	"ma3 root"	Arpeggio Sequence, as an example in C major: C–G–E–C
Slot 2	"ma3 inv1"	Arpeggio Sequence, as an example in C major: C–A–E–A
Slot 3	"ma3 inv2"	Arpeggio Sequence, as an example in C major: C–A–F–C
Slot 4	"ma7 root"	Arpeggio Sequence, as an example in C major: C–G–E–B
Slot 5	"ma7 inv1"	Arpeggio Sequence, as an example in C major: C–G–E–A
Slot 6	"ma7 inv2"	Arpeggio Sequence, as an example in C major: C–A–F–E
Slot 7	"ma7 inv3"	Arpeggio Sequence, as an example in C major: C–A–F–D
Slot 8	"ma9 1"	Arpeggio Sequence, as an example in C major: C–G–D–B
Slot 9	"ma9 2"	Arpeggio Sequence, as an example in C major: C–G–E–D
Slot 10	"ma9 3"	Arpeggio Sequence, as an example in C major: C–A–E–D
Slot 11	"Qua–Qui"	Arpeggio Sequence, as an example in C major: C–F–C–F
Slot 12	"augm chr"	Arpeggio Sequence, as an example in C major: C–G#–E–C

Single Instrument Presets

All Vienna Instruments PRO 2 Single Instrument Presets are contained in the already existing Preset folders. They are placed right before the original Vienna Instruments Presets.

All Cells are saved in “disabled” status (without any loaded samples). If you want your Presets to be loaded with their Cells automatically enabled, just activate “Force Enabled ON/OFF” in the Settings menu.



Use Keyswitches to switch between Matrices. Alternatively, you can also use Program Changes or MIDI Control Changes.

Matrix switching: Keyswitches

For Alto and Soprano Instruments (lowest note C3): C2 upwards

For Bass and Tenor Instruments (lowest notes below C3): C6 upwards

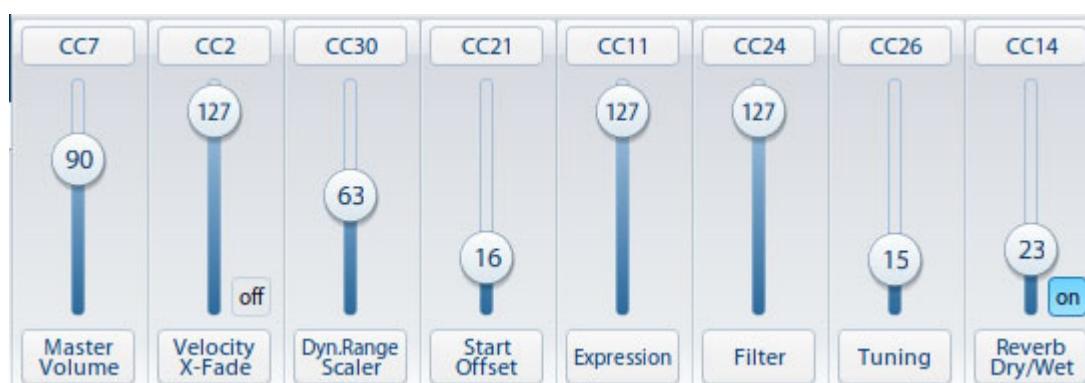
For Contrabass Instruments (lowest notes below C2): C5 upwards

Internal reverb is activated!

Tuning Table: 12-tone

Assignment of the most important controllers (pre-configured sliders in Basic View)

Master Volume	CC7
Velocity X-Fade	CC2
Velocity X-Fade ON/OFF switch	CC28
Dyn Range scaler	CC30
Start Offset scaler	CC21
Expression	CC11
Filter	CC24
Tuning	CC26 (scales Humanize Tuning Curves)
Reverb Dry/Wet	CC14
Reverb ON/OFF switch	CC15



Common Matrix assignments (if corresponding Patches are available):

- C 01_basic
- C# 11 repetitions
- D 12 repetition-Dyn
- D# 21 runs+phr key
- E 22 runs+phr whl
- F 23 runs+phr chr
- F# 24 runs+phr key ext
- G 25 runs+phr whl ext
- G# 26 runs+phr chr ext
- A 31 perf-trills
- A# 32 arpeggios

Chord Matrices

The Matrix Browser displays Chord Matrices in a new folder above the corresponding instrument group's original Single Instruments folder.

The following Chord Matrix folders are available and will be displayed if the respective licenses are available:

String MATRIX Files

A Solo Strings	License: Solo Strings
A Solo Strings – mute	License: Solo Strings II
B Chamber Strings	License: Chamber Strings
B Chamber Strings II	License: Chamber Strings II
C Orchestra Strings	Licenses: Orchestra Violins/Violas, Orchestra Celli/Bassi
C Orchestra Strings – mute	Licenses: Orchestra Violins/Violas, Orchestra Celli/Bassi
D Appassionata Strings	License: Appassionata Strings I
D Appassionata Strings – mute	License: Appassionata Strings II

All Chord Matrices are based on APP Sequences and consist of chords with 4 or 5 voices with the following voicing:

1st Voice	Violins 1
2nd Voice	Violins 2
3rd Voice	Violas
4th Voice	Cellos
5th Voice	Double Basses



Chord Matrices

“01 Chords (8)”

Available for all instrument groups with Chord Matrices.

Play range: C3–B5 (depending on the instrument group and played chord, some limitations in the highest play range will apply)

Selection of 12 scales from C major/minor to B major/minor by Keyswitches C7–B7.

Change between major and minor harmonic scales by Velocity Switch:

Velocity 0–99: Major scale

Velocity 100–127: Minor harmonic scale

X-Axis Controller (horizontal): Keyswitches to trigger the most important articulations:

- C6 Performance Legato
- C#6 Portamento (Strings) or Sustain Vibrato (Winds)
- D6 Staccato
- D#6 Détaché (Strings) or Portato short (Winds)
- E6 Sustain with vibrato (Strings) or Sustain without vibrato (Winds)
- F6 Fortepiano (Appassionata Strings: Sforzando)
- F#6 Sforzando
- G6 Performance Repetition (Legato)
- G#6 Performance Repetition Portato (Solo Strings: Staccato)
- A6 Performance Repetition Spiccato (Strings) or Staccato (Winds)
- A#6 Tremolo (Strings) or Flutter Tongue (Winds)
- B6 Pizzicato (Strings) or Sforzatissimo (Winds)

Y-Axis Controller (vertical): Keyswitches for a choice of different chord inversions and additional chords like diminished, augmented and ninth chords

With all variations, the soprano voice plays the root note.

- C1 “ma3 root” Triad, bass note on the root note
- C#1 “ma3 inv1” Triad, bass note on the third
- D1 “ma3 inv2” Triad, bass note on the fifth
- D#1 “ma7 root” Seventh chord, bass note as root
- E1 “ma7 inv1” Seventh chord, bass note on the third
- F1 “ma7 inv2” Seventh chord, bass note on the fifth
- F#1 “ma7 inv3” Seventh chord, bass note on the seventh
- G1 “ma9” Ninth chord
- G#1 “dim7 chr” Diminished Seventh chord (chromatic transposition)
- A1 “augm chr” Augmented Triad (chromatic transposition)
- A#1 “root + 5th” Chord without third
- B1 “5th 3x” Chord in steps of fifths

“02 Chords (3)”

Like Matrix “01 Chords (8)”, soprano voice on the third

“03 Chords (5)”

Like Matrix “01 Chords (8)”, soprano voice on the fifth

“04 Chords (7+8)”

Like Matrix “01 Chords (8)”, soprano voice on the octave or on the seventh (with all Seventh chords)

“05 Chords (8) Ext”

Like Matrix “01 Chords (8)”, partly based on alternative articulations in the X-Axis (if Extended Library content is available).

- C6 Performance Trills
- C#6 Performance Marcato
- D6 Performance Spiccato (Strings) or Single Note Staccato (Winds)
- D#6 Détaché long (Strings) or Portato medium (Winds)
- E6 Sustain without vibrato
- F6 Short Crescendos & Diminuendos (ca. 2 seconds), switch with A/B Switch
- F#6 pfp (crescendo – diminuendo)
- G6 Performance Repetition Legato (except Appassionata Strings: pfp long)
- G#6 Performance Repetition Portato (except Appassionata Strings: Performance sfz)
- A6 Performance Repetition Harsh (Strings) or Staccato (Winds)
- A#6 Harmonics (Strings except Appassionata Strings) or Flutter tongue (Winds)
- B6 (Snap) Pizzicato (Strings) or Sforzatissimo (Winds)

“06 Chords (3) Ext”

Like Matrix “05 Chords (8) Ext”, soprano voice on the third

“07 Chords (5) Ext”

Like Matrix “05 Chords (8) Ext”, soprano voice on the fifth

“08 Chords (7+8) Ext”

Like Matrix “05 Chords (8) Ext”, soprano voice on the octave or on the seventh (with all seventh chords)

“11 Cho-rep (8)”

Available for all instrument groups with Chord Matrices.

Play range: C3–B5 (depending on the instrument group and played chord, some limitations in the highest play range will apply)

Host Tempo Sync activated by default.

Selection of 12 Scales from C major/minor to B major/minor by Keyswitches C7–B7.

Change between major and minor harmonic scales by Velocity Switch:

Velocity 0–99: Major scale

Velocity 100–127: Minor harmonic scale

X-Axis Controller (horizontal): Articulations/Patches are assigned in the APP Sequencer (Cell Tab)

Y-Axis Controller (vertical): Keyswitches for a choice between different chord inversions and additional chords like diminished, augmented and ninth chords

With all variations, the soprano voice plays the root note; all sequences are based on a 16th-note repetition pattern chord.

C1	“ma3 root”	Triad, bass note on the root note
C#1	“ma3 inv1”	Triad, bass note on the third
D1	“ma3 inv2”	Triad, bass note on the fifth
D#1	“ma7 root”	Seventh chord, bass note as root
E1	“ma7 inv1”	Seventh chord, bass note on the third
F1	“ma7 inv2”	Seventh chord, bass note on the fifth
F#1	“ma7 inv3”	Seventh chord, bass note on the seventh
G1	“ma9”	Ninth chord
G#1	“dim7 chr”	Diminished Seventh chord (chromatic transposition)
A1	“augm chr”	Augmented Triad (chromatic transposition)
A#1	“root + 5th”	Chord without third
B1	“5th 3x”	Chord in steps of fifths

“12 Cho-rep (3)”

Like Matrix “11 Cho-rep (8)”, soprano voice on the third

“13 Cho-rep (5)”

Like Matrix “11 Cho-rep (8)”, soprano voice on the fifth

“14 Cho-rep (7+8)”

Like Matrix “11 Cho-rep (8)”, soprano voice on the octave or on the seventh (with all seventh chords)

“15 Cho-repDyn (8)”

Available for all instrument groups with Chord Matrices.

Play range: C3–B5 (depending on the instrument group and played chord, some limitations in the highest play range will apply)

Host Tempo Sync activated by default.

Selection of 12 Scales from C major/minor to B major/minor by Keyswitches C7–B7.

Change between major and minor harmonic scales by Velocity Switch:

Velocity 0–99: Major scale

Velocity 100–127: Minor harmonic scale

X-Axis Controller (horizontal): Articulations/Patches are assigned in the APP Sequencer (Cell Tab)

Y-Axis Controller (vertical): Keyswitches for a choice between different chord inversions and additional chords like diminished, augmented and ninth chords

With all variations, the soprano voice plays the root note; all sequences are based on a 16th-note repetition pattern chord with dynamic changes, and contain eight 16ths from pp–ff and eight 16ths from ff–pp.

C1	“ma3 root”	Triad, bass note on the root note
C#1	“ma3 inv1”	Triad, bass note on the third
D1	“ma3 inv2”	Triad, bass note on the fifth
D#1	“ma7 root”	Seventh chord, bass note as root
E1	“ma7 inv1”	Seventh chord, bass note on the third
F1	“ma7 inv2”	Seventh chord, bass note on the fifth
F#1	“ma7 inv3”	Seventh chord, bass note on the seventh
G1	“ma9”	Ninth chord
G#1	“dim7 chr”	Diminished Seventh chord (chromatic transposition)
A1	“augm chr”	Augmented Triad (chromatic transposition)
A#1	“root + 5th”	Chord without third
B1	“5th 3x”	Chord in steps of fifths

“16 Cho-repDyn (3)”

Like Matrix “15 Cho-repDyn (8)”, soprano voice on the third

“17 Cho-repDyn (5)”

Like Matrix “15 Cho-repDyn (8)”, soprano voice on the fifth

“18 Cho-repDyn (7+8)”

Like Matrix “15 Cho-repDyn (8)”, soprano voice on the octave or on the seventh (with all seventh chords)

“21 Cho-Run key”

Available for all Instrument Groups with Chord Matrices.

Play range: C3–C5 (depending on the instrument group and played chord, some limitations in the highest play range will apply)

Host Tempo Sync activated by default.

Selection of 12 Scales from C major/minor to B major/minor by Keyswitches C7–B7.

Change between major and minor harmonic scales by Velocity Switch:

Velocity 0–99: Major scale

Velocity 100–127: Minor harmonic scale

X-Axis Controller (horizontal): Articulations/Patches are assigned in the APP Sequencer (Cell Tab). The main part of the used Patches is based on Performance Fast Legatos, and Slurred Fast Legatos for most String ensembles.

Y-Axis Controller (vertical): Keyswitches for a choice between different runs upwards and downwards in different lengths and chord combinations. (Switches G#1–B1 are not available for the chord groups of Trumpets, Horns and Trombones due to the limited play range of these instrument groups).

C1	“up Octav”	Octave run upwards, chord in unison in octaves
C#1	“do Octav”	Octave run downwards, chord in unison in octaves
D1	“up Oc+Qi”	Octave run upwards, chord in fifths and octaves
D#1	“do Oc+Qi”	Octave run downwards, chord in fifths and octaves
E1	“up Ch-sh”	Fourth run, crossed voices: upper voices upwards, lower voices downwards
F1	“do Ch-sh”	Fourth run, crossed voices: upper voices downwards, lower voices upwards
F#1	“up Ch-me”	Octave run, crossed voices: upper voices upwards, lower voices downwards
G1	“do Ch-me”	Octave run, crossed voices: upper voices downwards, lower voices upwards
G#1	“up Ch-lo”	Run over 2 octaves, crossed voices: upper voices upwards, lower voices upwards and downwards
A1	“do Ch-lo”	Run over 2 octaves, crossed voices: upper voices downwards, lower voices downwards and upwards
A#1	“up solo”	Run over 4 octaves in unison, upwards with changing instrumentation
B1	“do solo”	Run over 4 octaves in unison, downwards with changing instrumentation

“22 Cho-Run whl”

Like Matrix “21 Cho-Run key”, based on whole-tone scales

“23 Cho-Run chr”

Like Matrix “21 Cho-Run key”, based on chromatic scales

“24 Cho-Run key Ext”

Like Matrix “21 Cho-Run key”, based on fast Marcato Performance Patches.

Attention: “Ext” Matrices are only available if the corresponding Instrument’s Extended Library is available, and only for instruments that contain marcato and/or spiccato Performance Patches.

“25 Cho-Run whl Ext”

Like Matrix “21 Cho-Run key”, based on fast Marcato Performance Patches and whole-tone scales.

“26 Cho-Run chr Ext”

Like Matrix “21 Cho-Run key”, based on fast Marcato Performance Patches and chromatic scales.

“31 Cho-Phr key”

Available for all instrument groups with Chord Matrices.

Play range: C3–C5 (depending on the instrument group and played chord, some limitations in the highest play range will apply)

Host Tempo Sync activated by default.

Selection of 12 Scales from C major/minor to B major/minor by Keyswitches C7–B7.

Change between major and minor harmonic scales by Velocity Switch:

Velocity 0–99: Major scale

Velocity 100–127: Minor harmonic scale

X-Axis Controller (horizontal): Articulations/Patches are assigned in the APP Sequencer (Cell Tab). The main part of the Patches used is based on Performance Fast Legatos.

Y-Axis Controller (vertical): Keyswitches for a choice between different phrases, upwards and downwards in different chord combinations.

C1	“up Octav”	Incremental octave phrase upwards with repetition note, chord in unison, arranged in octaves
C#1	“do Octav”	Incremental octave phrase downwards with repetition note, chord in unison, arranged in octaves
D1	“up Oc+Ch”	Incremental octave phrase upwards with repetition note, arranged in triads
D#1	“do Oc+Ch”	Incremental octave phrase downwards with repetition note, arranged in triads
E1	“up Phr”	Phrase upwards, starting with repetition note, chord in unison, arranged in octaves
F1	“do Phr”	Phrase downwards, starting with repetition note, chord in unison, arranged in octaves
F#1	“up Octav”	Incremental octave phrase upwards with changed note (cambiata), chord in unison, arranged in octaves
G1	“do Octav”	Incremental octave phrase downwards with changed note (cambiata), chord in unison, arranged in octaves
G#1	“up Oc+Ch”	Incremental octave phrase upwards with changed note (cambiata), arranged in triads
A1	“do Oc+Ch”	Incremental octave phrase downwards with changed note (cambiata), arranged in triads
A#1	“up Phr”	Phrase upwards starting with changed note (cambiata), chord in unison, arranged in octaves
B1	“do Phr”	Phrase downwards with changed note (cambiata) downwards, chord in unison, arranged in octaves

“32 Cho-Phr whl”

Like Matrix “31 Cho-Phr key”, based on whole-tone scales.

“33 Cho-Phr chr”

Like Matrix “31 Cho-Phr key”, based on chromatic scales.

“34 Cho-Phr key Ext”

Like Matrix “31 Cho-Phr key”, based on fast Marcato Performance Patches.

Attention: “Ext” Matrices are only available if the corresponding Instrument’s Extended Library is available, and only for instruments that contain marcato and/or spiccato Performance Patches.

"35 Cho-Phr whl Ext"

Like Matrix "31 Cho-Phr key", based on fast Marcato Performance Patches and whole-tone scales.

"36 Cho-Phr chr Ext"

Like Matrix "31 Cho-Phr key", based on fast Marcato Performance Patches and chromatic scales.

"41 Cho-trem"

Finger tremolos available for all String and Woodwind groups with Chord Matrices and Performance Trill Patches. (Extended Library Content required!)

An APP Sequencer based Matrix with Host Tempo Sync NOT activated by default. Trill speed can be set directly in the APP sequencer's "Sequence" tab.

Play range: C3–B5 (depending on the instrument group and played chord, some limitations in the highest play range will apply)

Selection of 12 Scales from C major/minor to B major/minor by Keyswitches C7–B7.

Change between major and minor harmonic scales by Velocity Switch:

Velocity 0–99: Major scale

Velocity 100–127: Minor harmonic scale

X-Axis Controller (horizontal): Articulations are assigned in the APP Sequencer (Cell Tab).

Y-Axis Controller (vertical): Keyswitches for a choice of different chord inversions and additional chords like diminished, augmented and ninth chords.

Pattern Matrices

Four variations, only available for Strings:

Theme 01a Leg

Theme 01b Marc

Theme 01c Walk

Theme 01d Arp

All four matrices are based on 2 bars of looped musical building blocks. These building blocks are designed as examples to show the possibilities of the APP Sequencer.

Make use of the different musical structures of this pattern also with different lengths: half a bar, a whole bar or 2 bars.

Play range: C3–B5 (depending on the Instrument Group and played chord, some limitations in the highest play range will apply)

Host Tempo Sync activated by default.

Selection of 12 Scales from C major/minor to B major/minor by Keyswitches C7–B7.

Change between major and minor harmonic scales by Velocity Switch:

Velocity 0–99: Major Scale

Velocity 100–127: Minor Harmonic Scale

X-Axis Controller: Articulations are assigned in the APP Sequencer (Cell Tab).

Y-Axis Controller: Keyswitches to choose between different chord inversions.

Chord Presets

The Vienna Instruments PRO 2 Chord Presets are located in a folder above the original Single Instruments folder in the Preset Browser of the corresponding instrument group.

All Cells are saved in “disabled” status (without any loaded samples). To load your Presets with all cells automatically enabled, simply activate “Force Enabled ON/OFF” in the Settings menu.

Use Keyswitches to switch between Matrices. Alternatively, you can also use Program Changes or MIDI Control Changes.

Internal Reverb is activated!

Tuning Table: 12-tone

Assignment of the most essential controllers (pre-configured sliders in Basic View)

Master Volume	CC7
Velocity X-Fade	CC2
Velocity X-Fade ON/OFF switch	CC28
Dyn Range Scaler	CC30
Start Offset Scaler	CC21
Expression	CC11
Filter	CC24
Tuning	CC26 (scales Humanize Tuning Curves)
Reverb Dry/Wet	CC14
Reverb ON/OFF switch	CC15

Preset “Chords Std Set”

Contains the most important 11 Chord Matrices, based mostly on Standard Library Content.

- C2 01 Chords (8)
- C#2 02 Chords (3)
- D2 03 Chords (5)
- D#2 04 Chords (7+8)
- E2 11 Cho-rep (8)
- F2 12 Cho-rep (3)
- F#2 13 Cho-rep (5)
- G2 14 Cho-rep (7+8)
- G#2 21 Cho-Run key
- A2 22 Cho-Run whl
- A#2 23 Cho-Run chr

Preset “Chords Full Set”

Contains all available Chord Matrices (except Phrase Matrices), therefore based on Full Library Content.

If you intend to use all matrices via Keystrokes, you will need a second keyboard for playing live!

C2 01 Chords (8)
 C#2 02 Chords (3)
 D2 03 Chords (5)
 D#2 04 Chords (7+8)
 E2 11 Cho-rep (8)
 F2 12 Cho-rep (3)
 F#2 13 Cho-rep (5)
 G2 14 Cho-rep (7+8)
 G#2 21 Cho-Run key
 A2 22 Cho-Run whl
 A#2 23 Cho-Run chr

C ~ 05 Chords (8) Ext
 C# ~ 06 Chords (3) Ext
 D ~ 07 Chords (5) Ext
 D# ~ 08 Chords (7+8) Ext
 E ~ 15 Cho-repDyn (8)
 F ~ 16 Cho-repDyn (3)
 F# ~ 17 Cho-repDyn (5)
 G ~ 18 Cho-repDyn (7+8)
 G# ~ 24 Cho-Run key Ext
 A ~ 25 Cho-Run whl Ext
 A# ~ 26 Cho-Run chr Ext

Pattern Preset Theme 01

Contains all four Pattern Matrices, only available for Strings.

C2 Theme 01a Leg
 C#2 Theme 01b Marc
 D2 Theme 01c Walk
 D#2 Theme 01d Arp